

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptanscl625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/CAPplus and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	29	JUN 25	CA/CAPplus and USPAT databases updated with IPC reclassification data
NEWS	30	JUN 30	AEROSPACE enhanced with more than 1 million U.S.

patent records
NEWS 31 JUN 30 EMBASE, EMBAL, and LEMBASE updated with additional
options to display authors and affiliated
organizations
NEWS 32 JUN 30 STN on the Web enhanced with new STN AnaVist
Assistant and BLAST plug-in
NEWS 33 JUN 30 STN AnaVist enhanced with database content from EPFULL

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:10:16 ON 11 JUL 2008

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 18:10:33 ON 11 JUL 2008

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8

DICTIONARY FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

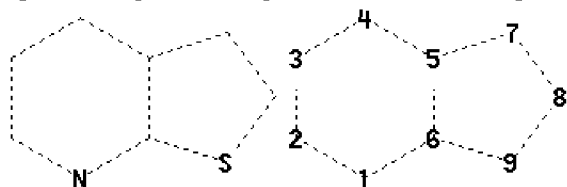
<http://www.cas.org/support/stngen/stdoc/properties.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\Thienopyridine071108.str



ring nodes :

1 2 3 4 5 6 7 8 9

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom

L1 STRUCTURE UPLOADED

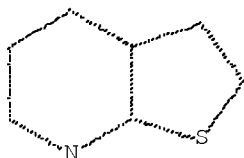
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s sss sam l1

SAMPLE SEARCH INITIATED 18:10:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4223 TO ITERATE

47.4% PROCESSED 2000 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

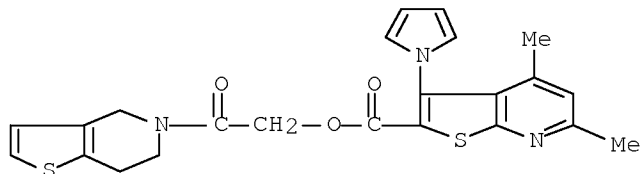
PROJECTED ITERATIONS: 80563 TO 88357

PROJECTED ANSWERS: 39596 TO 45116

L3 50 SEA SSS SAM L1

=> d scan

L3 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Thieno[2,3-b]pyridine-2-carboxylic acid, 4,6-dimethyl-3-(1H-pyrrol-1-yl)-,
2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)-2-oxoethyl ester
MF C23 H21 N3 O3 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s sss full l1

FULL SEARCH INITIATED 18:11:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 85309 TO ITERATE

100.0% PROCESSED 85309 ITERATIONS
SEARCH TIME: 00.00.01

42183 ANSWERS

L4 42183 SEA SSS FUL L1

=> save l4 thienopyridine/a

THIENOPYRIDINE/A IS NOT A VALID SAVED NAME

Enter the name you wish to use for the saved query,
answer set, or L-number list. The name must:

1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
5. Not already be in use as a saved name,
6. Not be END, SAV, SAVE, SAVED
7. Not have the form of an L-number (Lnnn).

ENTER NAME OR (END):end

=> save l4 thpr07112008/a

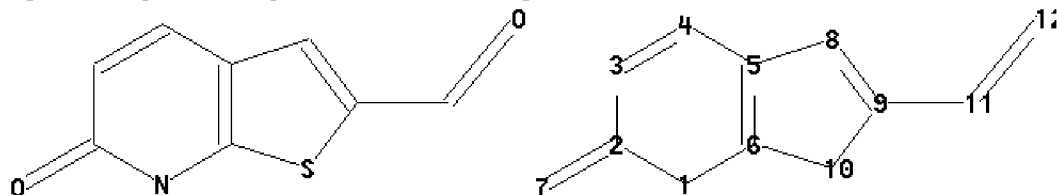
ANSWER SET L4 HAS BEEN SAVED AS 'THPR07112008/A'

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\10524199.str



chain nodes :

7 11 12

ring nodes :

1 2 3 4 5 6 8 9 10

chain bonds :

2-7 9-11 11-12

ring bonds :

1-6 1-2 2-3 3-4 4-5 5-6 5-8 6-10 8-9 9-10

exact/norm bonds :

1-6 1-2 2-3 2-7 3-4 4-5 5-6 5-8 6-10 8-9 9-10 11-12

exact bonds :

9-11

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom

11:CLASS 12:CLASS

L5 STRUCTURE UPLOADED

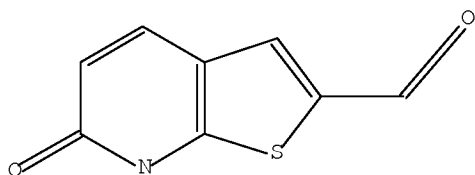
=> que L5

L6 QUE L5

=> d 16

L6 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

L6 QUE ABB=ON PLU=ON L5

=> s sss sam subset=14 16

SAMPLE SUBSET SEARCH INITIATED 18:15:57 FILE 'REGISTRY'

SAMPLE SUBSET SCREEN SEARCH COMPLETED - 976 TO ITERATE

100.0% PROCESSED 976 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

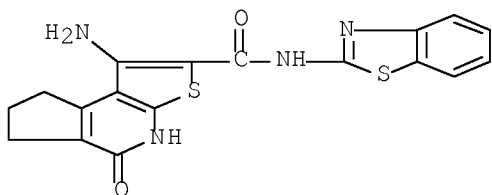
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 17646 TO 21394
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 964 TO 1996

L7 50 SEA SUB=L4 SSS SAM L5

=> d scan

L7 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4H-Cyclopenta[d]thieno[2,3-b]pyridine-2-carboxamide, 1-amino-N-2-benzothiazolyl-5,6,7,8-tetrahydro-5-oxo-
MF C18 H14 N4 O2 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

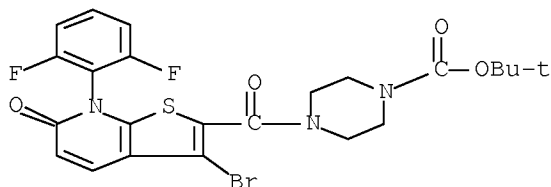
=> s sss full subset=14 16
FULL SUBSET SEARCH INITIATED 18:16:57 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 20120 TO ITERATE

100.0% PROCESSED 20120 ITERATIONS 1498 ANSWERS
SEARCH TIME: 00.00.01

L8 1498 SEA SUB=L4 SSS FUL L5

=> d scan

L8 1498 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C23 H22 Br F2 N3 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil caplu

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	225.06	225.27

FILE 'CAPLUS' ENTERED AT 18:17:26 ON 11 JUL 2008
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FILE COVERS 1907 - 11 Jul 2008 VOL 149 ISS 3
FILE LAST UPDATED: 10 Jul 2008 (20080710/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s l8

L9 41 L8

=> s l9 and (ay<2003 or py<2003 or pry<2003)

4491652 AY<2003

22935571 PY<2003

3959716 PRY<2003

L10 28 L9 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.52	239.79

FILE 'REGISTRY' ENTERED AT 18:27:39 ON 11 JUL 2008
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STRUCTURE FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8

DICTIONARY FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

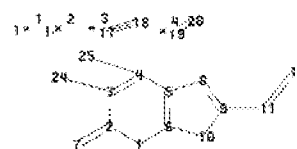
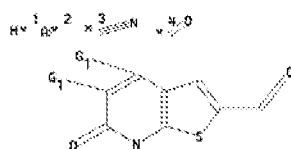
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

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chain nodes :

7 11 12 13 14 17 18 19 20 24 25

ring nodes :

1 2 3 4 5 6 8 9 10

chain bonds :

2-7 3-24 4-25 9-11 11-12 17-18 19-20

ring bonds :

1-6 1-2 2-3 3-4 4-5 5-6 5-8 6-10 8-9 9-10

exact/norm bonds :

1-6 1-2 2-3 2-7 3-4 3-24 4-5 4-25 5-6 5-8 6-10 8-9 9-10 11-12 17-18
19-20

exact bonds :

9-11

G1:[*1],[*2],[*3],[*4]

Match level :

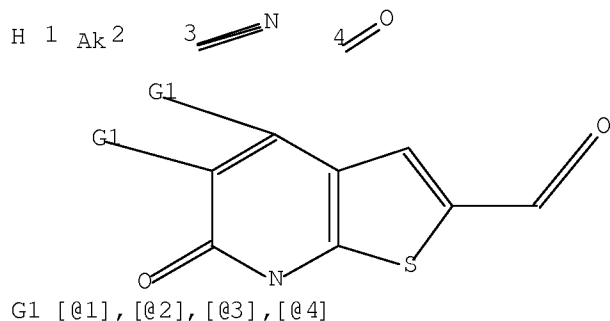
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS 13:CLASS 14:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
24:CLASS 25:CLASS

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR



Structure attributes must be viewed using STN Express query preparation.

=> s sss sam subset=l4 l11

SAMPLE SUBSET SEARCH INITIATED 18:28:09 FILE 'REGISTRY'

SAMPLE SUBSET SCREEN SEARCH COMPLETED - 976 TO ITERATE

100.0% PROCESSED 976 ITERATIONS

49 ANSWERS

SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):

ONLINE **COMPLETE**

PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):

17646 TO 21394

PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):

560 TO 1400

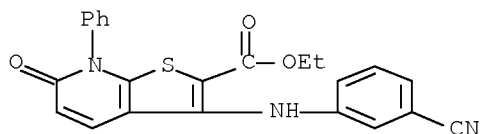
L12 49 SEA SUB=L4 SSS SAM L11

=> d scan

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester

MF C23 H17 N3 O3 S



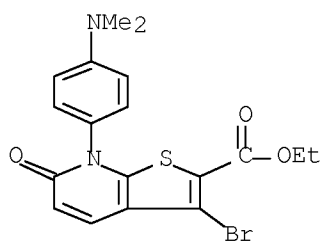
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-, ethyl ester

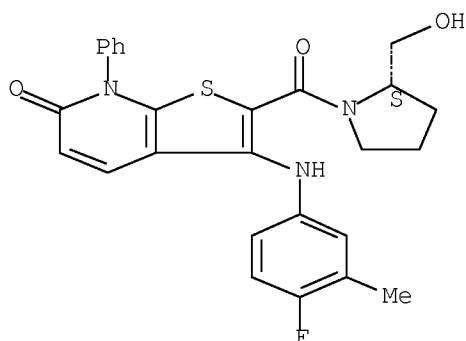
MF C18 H17 Br N2 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

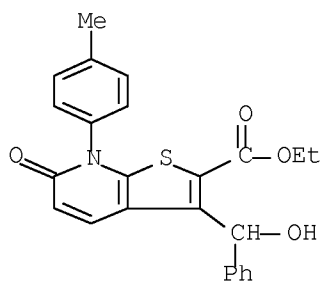
L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-
 MF C26 H24 F N3 O3 S

Absolute stereochemistry.



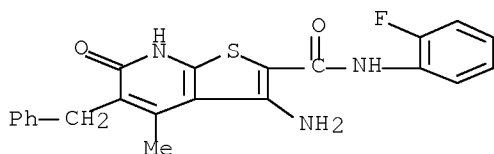
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-
 (hydroxyphenylmethyl)-7-(4-methylphenyl)-6-oxo-, ethyl ester
 MF C24 H21 N O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

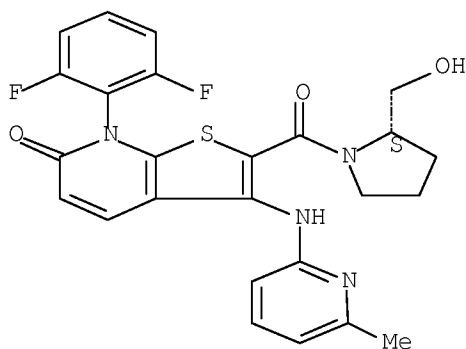
L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-(2-fluorophenyl)-6,7-
dihydro-4-methyl-6-oxo-5-(phenylmethyl)-
MF C22 H18 F N3 O2 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(2S)-2-
(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-
MF C25 H22 F2 N4 O3 S

Absolute stereochemistry.

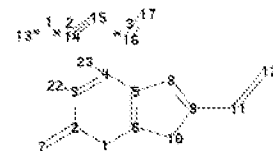
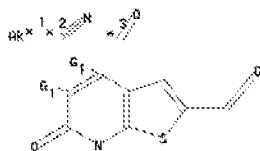


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Program Files\Stnexp\Queries\10524199B.str



```

chain nodes :
7 11 12 13 14 15 16 17 22 23
ring nodes :
1 2 3 4 5 6 8 9 10
chain bonds :
2-7 3-22 4-23 9-11 11-12 14-15 16-17
ring bonds :
1-6 1-2 2-3 3-4 4-5 5-6 5-8 6-10 8-9 9-10
exact/norm bonds :
1-6 1-2 2-3 2-7 3-4 3-22 4-5 4-23 5-6 5-8 6-10 8-9 9-10 11-12 14-15
16-17
exact bonds :
9-11

```

```
G1:[*1],[*2],[*3]
```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 22:CLASS
23:CLASS

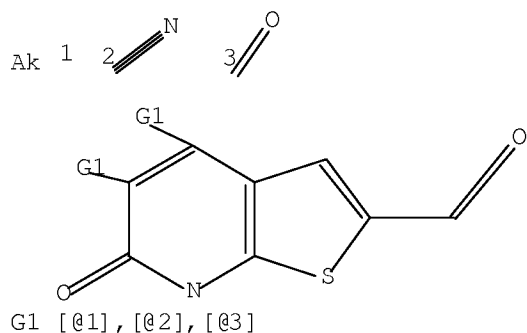
```

L13 STRUCTURE UPLOADED

=> d l13

L13 HAS NO ANSWERS

L13 STR



Structure attributes must be viewed using STN Express query preparation.

=> s sss sam subset=l4 l13
SAMPLE SUBSET SEARCH INITIATED 18:33:24 FILE 'REGISTRY'
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 728 TO ITERATE

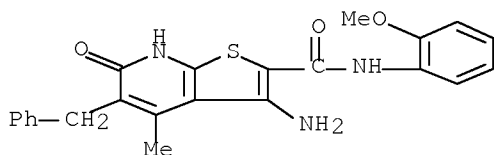
100.0% PROCESSED 728 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE **COMPLETE**
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 12942 TO 16178
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 9 TO 360

L14 9 SEA SUB=L4 SSS SAM L13

=> d scan

L14 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-N-(2-methoxyphenyl)-4-methyl-6-oxo-5-(phenylmethyl)-
MF C23 H21 N3 O3 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

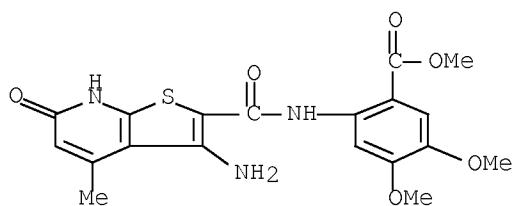
=> s sss full subset=l4 l11
FULL SUBSET SEARCH INITIATED 18:34:05 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 20120 TO ITERATE

100.0% PROCESSED 20120 ITERATIONS 1012 ANSWERS
SEARCH TIME: 00.00.01

L15 1012 SEA SUB=L4 SSS FUL L11

=> d scan

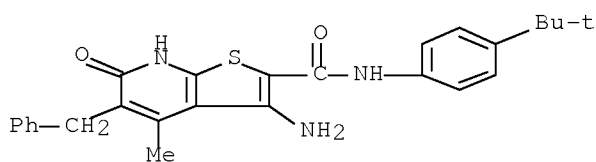
L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzoic acid, 2-[[[(3-amino-6,7-dihydro-4-methyl-6-oxothieno[2,3-b]pyridin-2-yl)carbonyl]amino]-4,5-dimethoxy-, methyl ester
MF C19 H19 N3 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

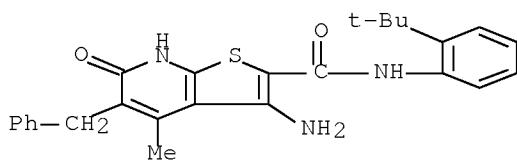
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-[4-(1,1-
 dimethylethyl)phenyl]-6,7-dihydro-4-methyl-6-oxo-5-(phenylmethyl)-
 MF C26 H27 N3 O2 S



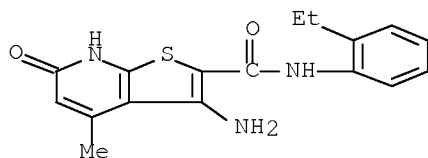
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-[2-(1,1-
 dimethylethyl)phenyl]-6,7-dihydro-4-methyl-6-oxo-5-(phenylmethyl)-
 MF C26 H27 N3 O2 S



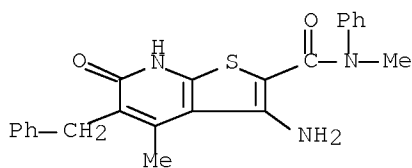
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-(2-ethylphenyl)-6,7-dihydro-
 4-methyl-6-oxo-
 MF C17 H17 N3 O2 S



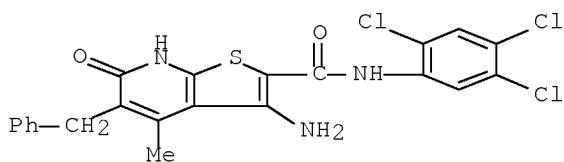
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-N,4-dimethyl-6-oxo-N-phenyl-5-(phenylmethyl)-
 MF C23 H21 N3 O2 S



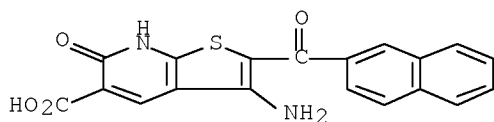
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L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-4-methyl-6-oxo-5-(phenylmethyl)-N-(2,4,5-trichlorophenyl)-
 MF C22 H16 Cl3 N3 O2 S



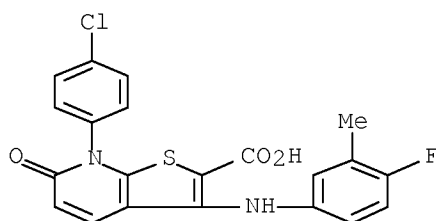
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-naphthalenylcarbonyl)-6-oxo-
 MF C19 H12 N2 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

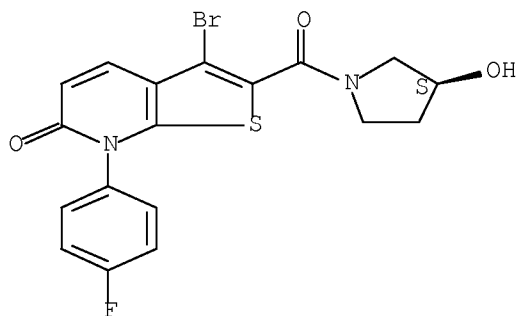
L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-
 MF C21 H14 Cl F N2 O3 S
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-
 MF C18 H14 Br F N2 O3 S

Absolute stereochemistry.

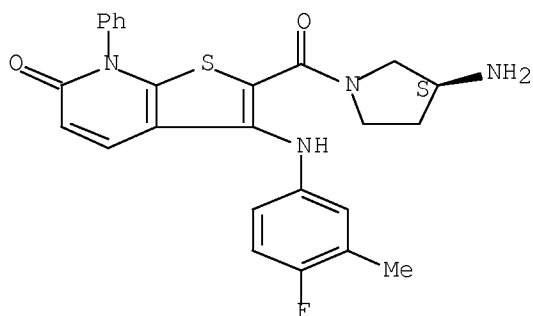


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-

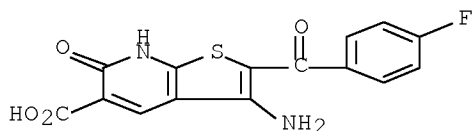
3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-
MF C25 H23 F N4 O2 S

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(4-fluorobenzoyl)-6,7-
dihydro-6-oxo-
MF C15 H9 F N2 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 18:10:16 ON 11 JUL 2008)

FILE 'REGISTRY' ENTERED AT 18:10:33 ON 11 JUL 2008

L1 STRUCTURE UPLOADED
L2 QUE L1
L3 50 S SSS SAM L1
L4 42183 S SSS FULL L1
SAVE L4 THPR07112008/A
L5 STRUCTURE UPLOADED
L6 QUE L5
L7 50 S SSS SAM L6 SUB=L4
L8 1498 S SSS FULL L6 SUB=L4

FILE 'CAPLUS' ENTERED AT 18:17:26 ON 11 JUL 2008
L9 41 S L8
L10 28 S L9 AND (AY<2003 OR PY<2003 OR PRY<2003)

FILE 'REGISTRY' ENTERED AT 18:27:39 ON 11 JUL 2008
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L12 49 S SSS SAM L11 SUB=L4
L13 STRUCTURE UPLOADED
L14 9 S SSS SAM L13 SUB=L4
L15 1012 S SSS FULL L11 SUB=L4

=> fil caplu

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	47.62	287.41

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FILE COVERS 1907 - 11 Jul 2008 VOL 149 ISS 3
FILE LAST UPDATED: 10 Jul 2008 (20080710/ED)

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=> s l15

L16 23 L15

=> s l16 and (ay<2003 or py<2003 or pry<2003)

4491652 AY<2003

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L17 13 L16 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> d ibib abs hitstr l16 1-23

L16 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:673573 CAPLUS Full-text

DOCUMENT NUMBER: 149:32285

TITLE: Aminothienopyridinone derivatives as p38 MAP kinase inhibitors and their preparation, pharmaceutical compositions and use in the treatment of diseases

INVENTOR(S): Davis, Jeremy Martin; Brookings, Daniel Christopher;
 Langham, Barry John; Hutchings, Martin Clive
 PATENT ASSIGNEE(S): UCB Pharma, S.A., Belg.
 SOURCE: PCT Int. Appl., 37pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008064829	A2	20080605	WO 2007-EP10189	20071123
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: GB 2006-23955 A 20061130
 EP 2007-1807 A 20070127

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to 3-aminothienopyridinone derivs. of formula I, to processes for preparing them, to pharmaceutical compns. containing them and to their use as pharmaceuticals. Compds. of formula I wherein R1 and R2 are independently C1-3 alkyl, halo and OH; m and n are independently 1-3; R3R4 taken together to form (un)substituted 4- to 6-membered non-aromatic heterocycle; and their pharmaceutically acceptable salts, stereoisomers, geometrical isomers, enantiomers and diastereoisomers thereof, are claimed. Example compound II was prepared by N-arylation of 3-bromo-7-(2,6-difluorophenyl)-2-((2R)-2-[(tetrahydro-2H-pyran-2- yloxy)methyl]pyrrolidin-1-yl)carbonyl)thieno[2,3-b]pyridin-6(7H)-one with 2-amino-6-picoline. All the invention compds. were evaluated for their p38 MAP kinase inhibitory activity. From the assay, it was determined that II exhibited the IC50 values of 15 - 30 nm against p38 α MAP kinase inhibitor.

IT 1030833-61-4P 1030833-63-6P 1030833-64-7P
 1030833-66-9P 1030833-68-1P 1030833-70-5P
 1030833-72-7P 1030833-74-9P

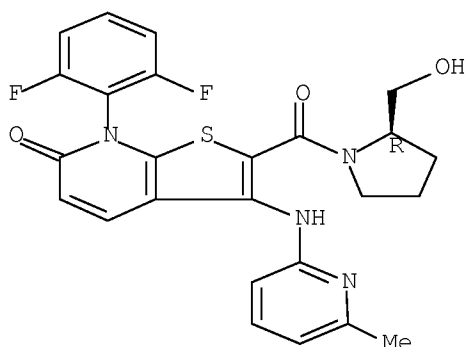
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

RN 1030833-61-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-(CA INDEX NAME)

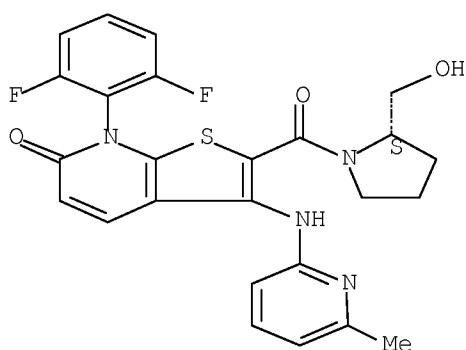
Absolute stereochemistry.



RN 1030833-63-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

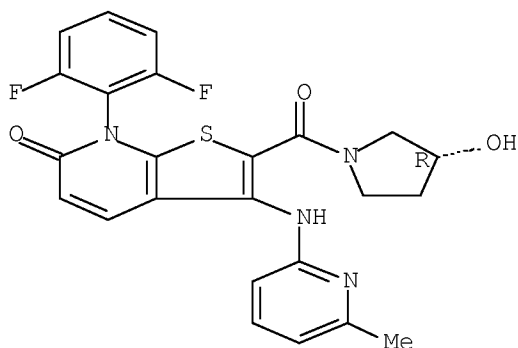
Absolute stereochemistry.



RN 1030833-64-7 CAPLUS

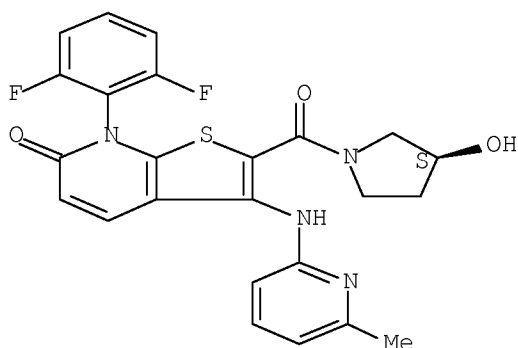
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



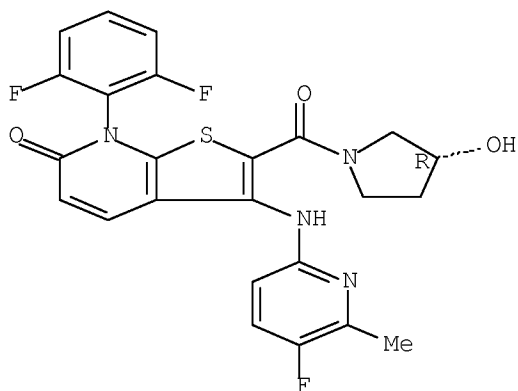
RN 1030833-66-9 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.



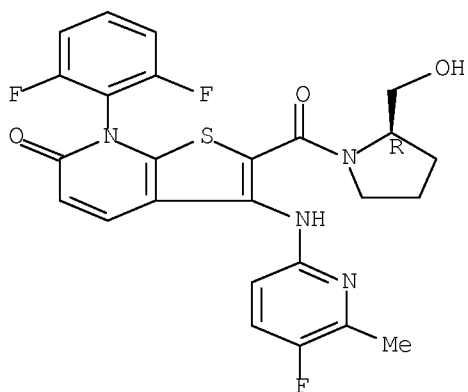
RN 1030833-68-1 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



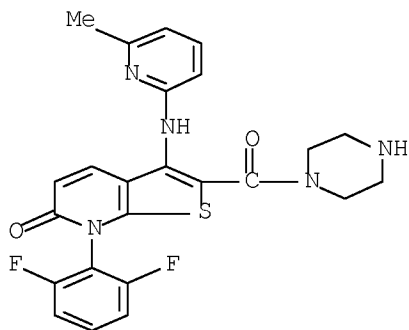
RN 1030833-70-5 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 1030833-72-7 CAPLUS

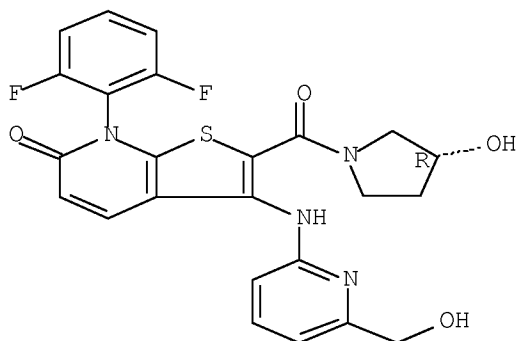
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-methyl-2-pyridinyl)amino]-2-(1-piperazinylcarbonyl)- (CA INDEX NAME)



RN 1030833-74-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[[6-(hydroxymethyl)-2-pyridinyl]amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



IT 1030833-75-0P 1030833-76-1P 1030833-77-2P
1030833-78-3P 1030833-80-7P 1030833-82-9P

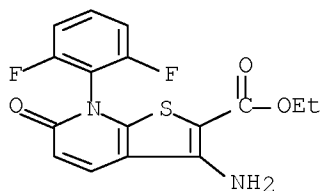
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1030833-95-4P 1030833-96-5P 1030833-97-6P
1030833-98-7P 1030834-00-4P 1030834-01-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(intermediate; preparation of aminothienopyridinone derivs. as p38 MAP
kinase inhibitors useful in the treatment of diseases)

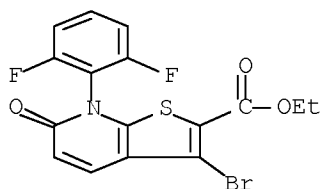
RN 1030833-75-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-7-(2,6-difluorophenyl)-
6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



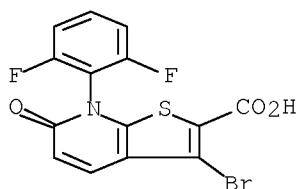
RN 1030833-76-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(2,6-difluorophenyl)-
6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 1030833-77-2 CAPLUS

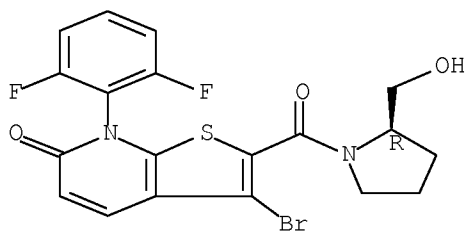
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(2,6-difluorophenyl)-
6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 1030833-78-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(2R)-2-
(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

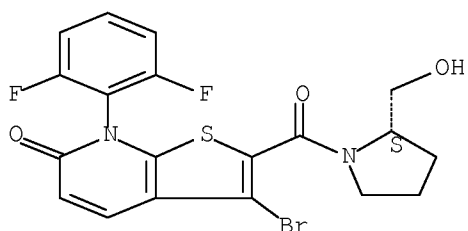
Absolute stereochemistry.



RN 1030833-80-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

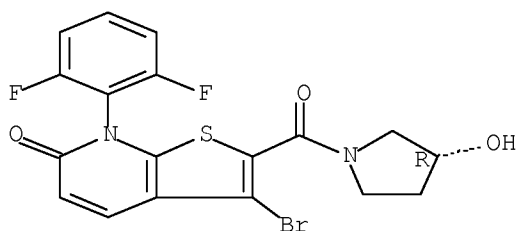
Absolute stereochemistry.



RN 1030833-82-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

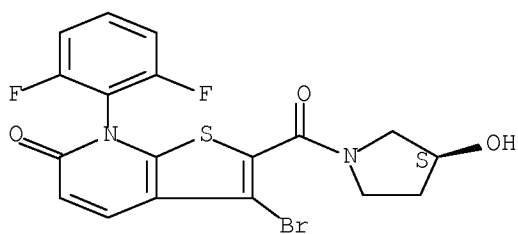
Absolute stereochemistry.



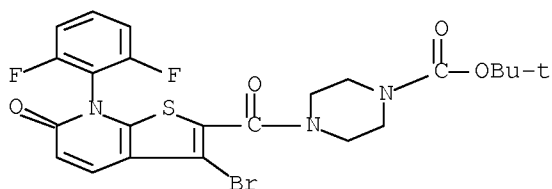
RN 1030833-84-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

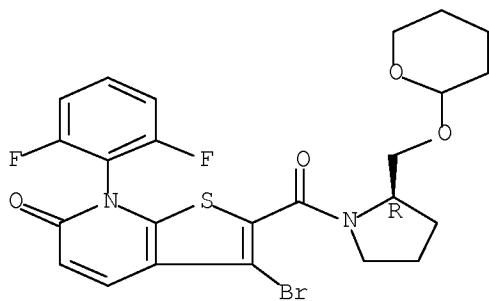


RN 1030833-87-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



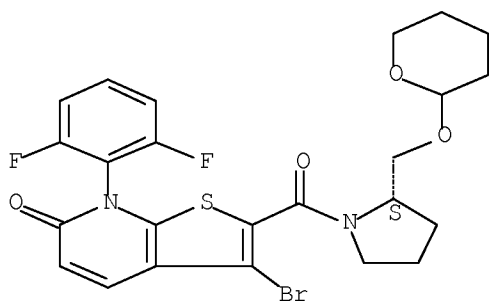
RN 1030833-89-6 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 1030833-91-0 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(2S)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

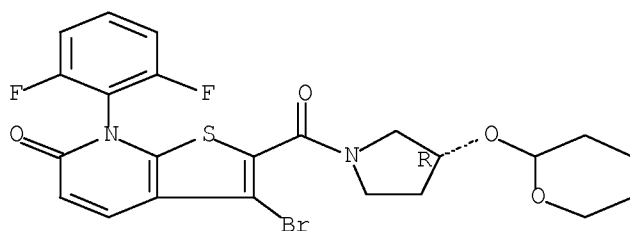
Absolute stereochemistry.



RN 1030833-93-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

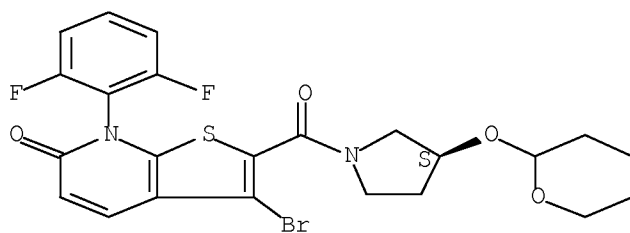
Absolute stereochemistry.



RN 1030833-94-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

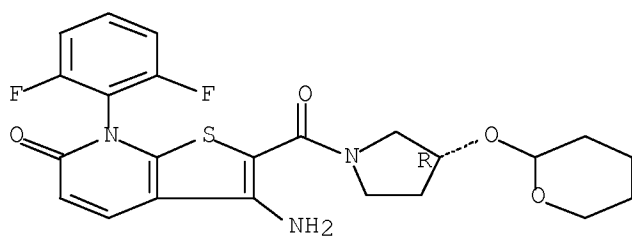
Absolute stereochemistry.



RN 1030833-95-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2,6-difluorophenyl)-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

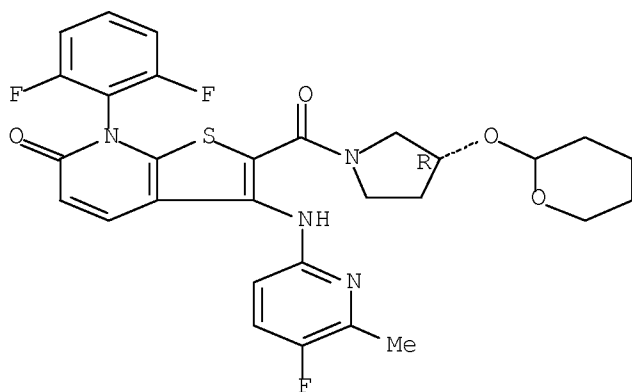
Absolute stereochemistry.



RN 1030833-96-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

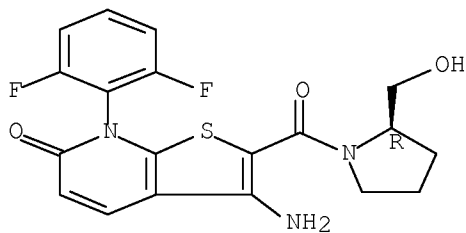
Absolute stereochemistry.



RN 1030833-97-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2,6-difluorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

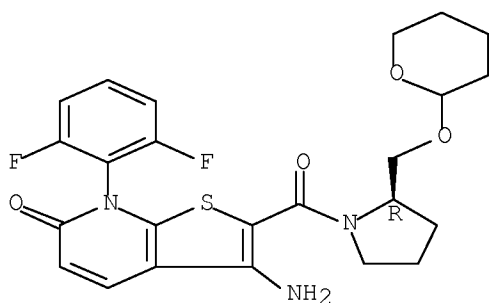
Absolute stereochemistry.



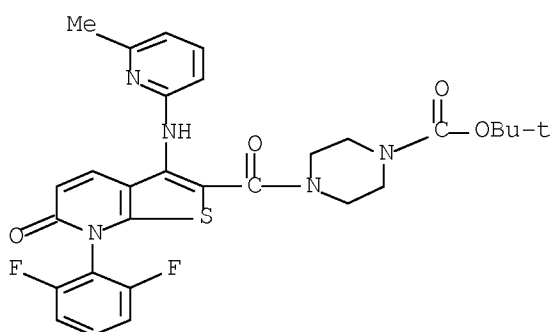
RN 1030833-98-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2,6-difluorophenyl)-2-[[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

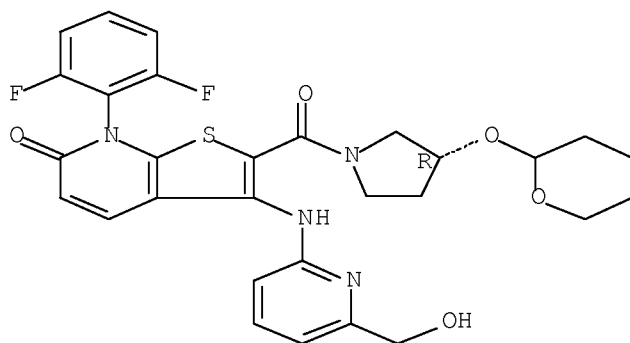


RN 1030834-00-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1030834-01-5 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[[6-(hydroxymethyl)-2-pyridinyl]amino]-2-[[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

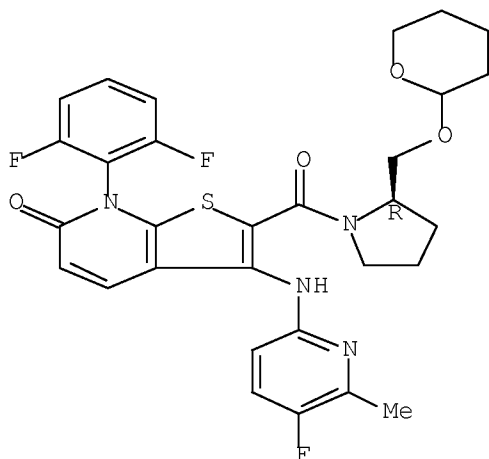
Absolute stereochemistry.



IT 1030833-99-8P
RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prophetic intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)
RN 1030833-99-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[[(2R)-2-[[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



L16 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:213305 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 148:345782

TITLE: Quinolone 3-carboxylic acid pharmacophore: design of second generation HIV-1 integrase inhibitors
AUTHOR(S): Dayam, Raveendra; Al-Mawsawi, Laith Q.; Zawahir, Zahrah; Witvrouw, Myriam; Debyser, Zeger; Neamati, Nouri

CORPORATE SOURCE: Department of Pharmacology and Pharmaceutical Sciences, School of Pharmacy, University of Southern California, Los Angeles, CA, 90089, USA

SOURCE: Journal of Medicinal Chemistry (2008), 51(5), 1136-1144

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Two decades of intensive research efforts have led to the discovery of a large number of HIV-1 integrase (IN) inhibitors. Recently, the United States Food and Drug Administration (US FDA) approved MK-0518, or raltegravir (1), as the first IN inhibitor for HIV/AIDS treatment. Growing clin. evidence also demonstrates that the emergence of HIV-1 virus strains bearing IN amino acid substitutions that confer resistance to IN inhibitors is inevitable. The discovery of second generation inhibitors with potency against viral strains bearing drug resistant IN substitutions is necessary for ongoing effective treatment of viral infections. We generated common feature pharmacophore hypotheses using a training set of quinolone 3-carboxylic acid IN inhibitors, including the clin. candidate GS-9137 (2). A database search of small mols. using the quinolone 3-carboxylic acid pharmacophore model, followed by in vitro evaluation of selected hits in an assay specific to IN, resulted in the discovery of potential leads with diverse structural scaffolds useful for the design of second generation IN inhibitors.

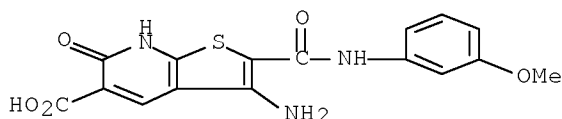
IT 487030-80-8 503429-39-8

RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic

use); BIOL (Biological study); USES (Uses)
(quinolone carboxylic acids as HIV-1 integrase inhibitors)

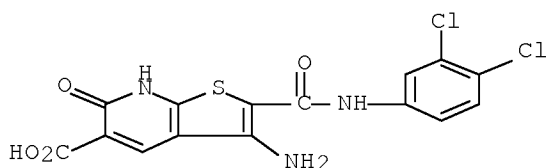
RN 487030-80-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-[[3-methoxyphenyl)amino]carbonyl]-6-oxo- (CA INDEX NAME)



RN 503429-39-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[[3,4-dichlorophenyl)amino]carbonyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:705877 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 147:95652

TITLE: Preparation of thienopyridones as mGluR1 and mGluR5 metabotropic glutamate receptor antagonists.

INVENTOR(S): Nogradi, Katalin; Wagner, Gabor; Keserue, Gyoergy; Bielik, Attila; Gati, Tamas; Hada, Viktor; Koti, Janos; Gal, Krisztina; Vastag, Monika; Bobok, Amrita Agnes

PATENT ASSIGNEE(S): Richter Gedeon Vegyeszeti Gyar Rt., Hung.

SOURCE: PCT Int. Appl., 41pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007072094	A1	20070628	WO 2006-HU122	20061219
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,			

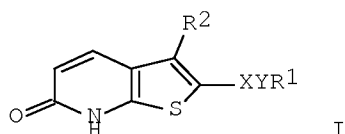
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

HU 2006000919 A2 20070928 HU 2006-919 20061218
 HU 2006000919 A3 20071128

PRIORITY APPLN. INFO.:

HU 2005-1166 A 20051220
 HU 2006-919 A 20061218

OTHER SOURCE(S): MARPAT 147:95652
 GI



AB Title compds. [I; X = CO, SO, SO₂; Y = O, OCH₂, (CH₂)_n, NH, NHCH₂; n = 0-2; R₁ = (substituted) alkyl, cycloalkyl, Ph, biphenyl, heterocyclyl; R₂ = (substituted) Ph, heterocyclyl, NR₃R₄; R₃, R₄ = H, alkyl; R₃R₄N = (substituted) C₅-7 heterocyclyl group containing ≥1 N, O, S], were prepared Thus, 2-(4-chlorobenzenesulfonyl)-3-(4-chlorophenyl)thieno[2,3- b]pyridine was stirred with m-chloroperoxybenzoic acid in CHCl₃ to give 78% N-oxide, which was stirred with trifluoroacetic anhydride in DMF for 7 h to give 61% 2-(4-chlorobenzenesulfonyl)-3-(4-chlorophenyl)-7H-thieno[2,3- b]pyridin-6-one. The latter showed mGluR5 receptor affinity with K_i <500 nM.

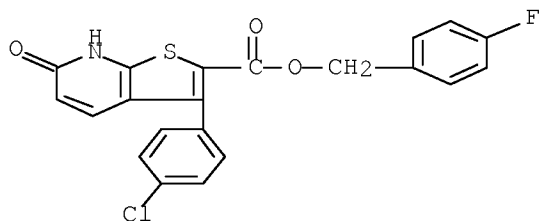
IT 942424-61-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of thienopyridones as mGluR1 and mGluR5 metabotropic glutamate receptor antagonists)

RN 942424-61-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-chlorophenyl)-6,7-dihydro-6-oxo-, (4-fluorophenyl)methyl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:652184 CAPLUS Full-text
 DOCUMENT NUMBER: 147:252798

TITLE: Structure-activity relationship, kinetic mechanism, and selectivity for a new class of ubiquitin C-terminal hydrolase-L1 (UCH-L1) inhibitors

AUTHOR(S): Mermerian, Ara H.; Case, April; Stein, Ross L.; Cuny, Gregory D.

CORPORATE SOURCE: Laboratory for Drug Discovery in Neurodegeneration, Harvard Center for Neurodegeneration and Repair, Brigham & Women's Hospital and Harvard Medical School, Cambridge, MA, 02139, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2007), 17(13), 3729-3732
CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

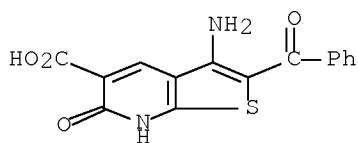
OTHER SOURCE(S): CASREACT 147:252798

AB 3-Amino-2-keto-7H-thieno[2,3-b]pyridin-6-one derivs. were discovered as moderately potent inhibitors of ubiquitin C-terminal hydrolase-L1 (UCH-L1) utilizing an assay that measures hydrolysis of the fluorogenic substrate Ub-AMC. SAR studies revealed that both the carboxylate at the 5-position and the 6-pyridone ring were critical for inhibitory activity. Furthermore, activity was dependent on the nature of the ketone substituent at the 2-position, with 4-Me-Ph and 2-naphthyl being best. Kinetic mechanism studies revealed that these compds. were uncompetitive inhibitors of UCH-L1, binding only to the Michaelis-complex and not to free enzyme. The active compds. were selective for UCH-L1, exhibiting neither inhibition of other cysteine hydrolases (e.g., UCH-L3, papain, isopeptidase T, caspase-3, and tissue transglutaminase) nor cytotoxicity in N2A cells.

IT 439946-22-2
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(kinetic parameters of inhibition of ubiquitin C-terminal hydrolase-L1)

RN 439946-22-2 CAPLUS

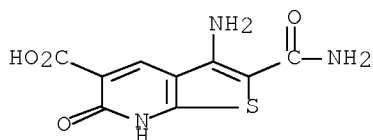
CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-benzoyl-6,7-dihydro-6-oxo- (CA INDEX NAME)



IT 369393-07-7P 438622-92-5P 687569-82-0P
945715-65-1P 945715-69-5P 945715-70-8P
945715-71-9P 945715-72-0P 945715-73-1P
945715-74-2P 945715-75-3P 945715-76-4P
945715-77-5P 945715-78-6P 945715-79-7P
945715-80-0P 945715-81-1P 945715-82-2P
945715-83-3P
RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(kinetic parameters of inhibition of ubiquitin C-terminal hydrolase-L1)

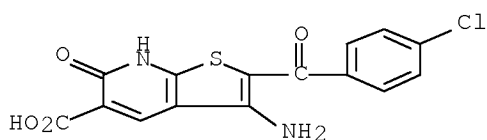
RN 369393-07-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(aminocarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



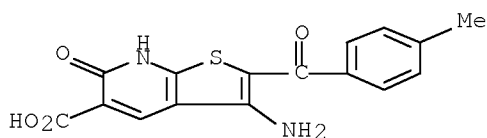
RN 438622-92-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(4-chlorobenzoyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



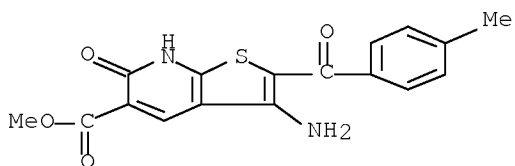
RN 687569-82-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(4-methylbenzoyl)-6-oxo- (CA INDEX NAME)



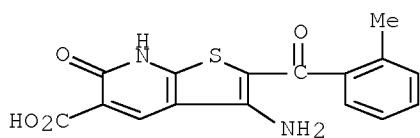
RN 945715-65-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(4-methylbenzoyl)-6-oxo-, methyl ester (CA INDEX NAME)



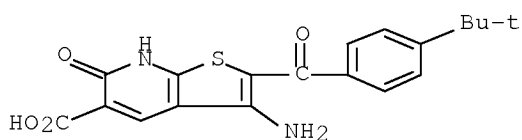
RN 945715-69-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-methylbenzoyl)-6-oxo- (CA INDEX NAME)



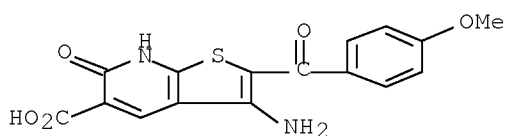
RN 945715-70-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[4-(1,1-dimethylethyl)benzoyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



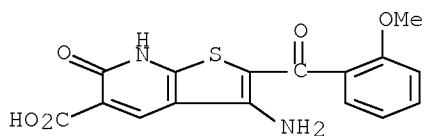
RN 945715-71-9 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(4-methoxybenzoyl)-6-oxo- (CA INDEX NAME)



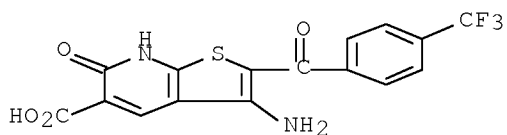
RN 945715-72-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-methoxybenzoyl)-6-oxo- (CA INDEX NAME)

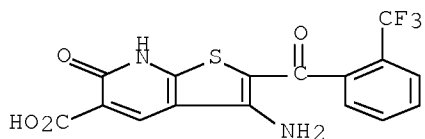


RN 945715-73-1 CAPLUS

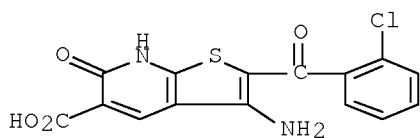
CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-[4-(trifluoromethyl)benzoyl]- (CA INDEX NAME)



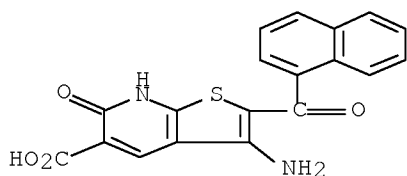
RN 945715-74-2 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-[2-(trifluoromethyl)benzoyl]- (CA INDEX NAME)



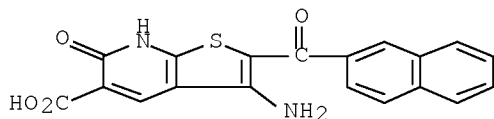
RN 945715-75-3 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(2-chlorobenzoyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



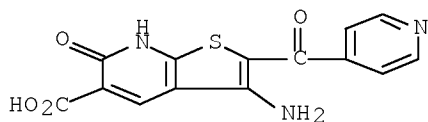
RN 945715-76-4 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(1-naphthalenylcarbonyl)-6-oxo- (CA INDEX NAME)



RN 945715-77-5 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-naphthalenylcarbonyl)-6-oxo- (CA INDEX NAME)

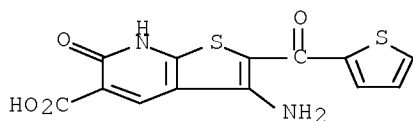


RN 945715-78-6 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-(4-pyridinylcarbonyl)- (CA INDEX NAME)



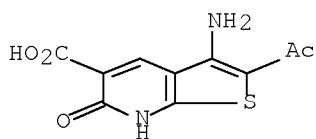
RN 945715-79-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-(2-thienylcarbonyl)- (CA INDEX NAME)



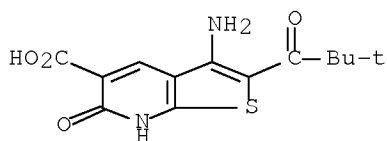
RN 945715-80-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 2-acetyl-3-amino-6,7-dihydro-6-oxo- (CA INDEX NAME)



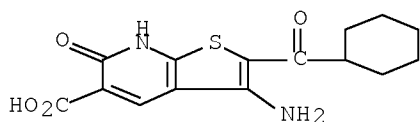
RN 945715-81-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(2,2-dimethyl-1-oxopropyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)

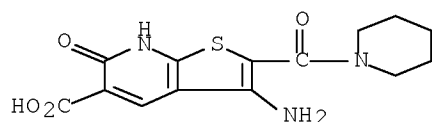


RN 945715-82-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(cyclohexylcarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 945715-83-3 CAPLUS
CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-(1-piperidinylcarbonyl)- (CA INDEX NAME)

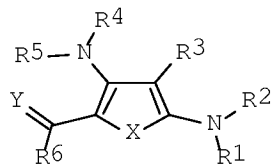


REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

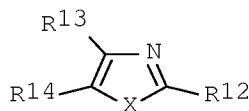
L16 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:170742 CAPLUS Full-text
DOCUMENT NUMBER: 144:254120
TITLE: Preparation of thiophene and thiazole derivatives as PDE4B inhibitors
INVENTOR(S): Ibrahim, Prabha N.; Cho, Hanna; England, Bruce; Gillette, Sam; Artis, Dean R.; Zuckerman, Rebecca; Zhang, Chao
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 205 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060041006	A1	20060223	US 2005-123893	20050506
AU 2005325271	A1	20060727	AU 2005-325271	20050506
CA 2565965	A1	20060727	CA 2005-2565965	20050506
WO 2006078287	A2	20060727	WO 2005-US16118	20050506
WO 2006078287	A9	20060831		
WO 2006078287	A3	20070329		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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CN 101031293	A	20070905	CN 2005-80022054	20050506
JP 2008503446	T	20080207	JP 2007-511693	20050506
PRIORITY APPLN. INFO.: US 2004-569435P P 20040506				
WO 2005-US16118 W 20050506				
OTHER SOURCE(S): MARPAT 144:254120				

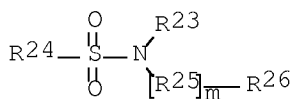
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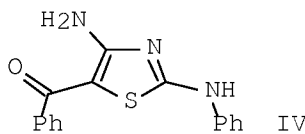
I



II



III



IV

AB The title compds. I [X = O, S, NR7; R1-R2, R4-R5, R7 = H, acyl, alkyl, etc.; R3 = CN, NO2, alkyl, etc.; Y = O, S; R6 = OH, alkoxy, thioalkoxy, etc.], II [X = S, O, NR15; R12 = H, alkyl, aryl, etc.; R13 = OR16, SR16, (un)substituted amino; R14 = OR16, SR16, alkyl, etc.; R15 = H, alkyl, cycloalkyl, etc.; R16 = alkyl, cycloalkyl, aryl, etc.] and III [R23 = H, alkyl, cycloalkyl, etc.; R24 = alkyl, cycloalkyl, aryl, etc.; R25, if present, is (un)substituted alkylene; R26 = (un)substituted carbocyclic or heterocyclic having 3-14 ring atoms; m = 0-3; with provisions] which are active on phosphodiesterase PDE4B are provided. A multistep synthesis of IV, starting from 2-(4-chlorobenzyl)-2-thiopseudourea hydrochloride and Ph isothiocyanate, was given. The compound I-III were tested against various PDE4 kinases and TNF α (biol. data given). Also provided are compns. comprising compds. I-III which are useful for treatment of PDE4B-mediated diseases or conditions, and methods for the use thereof.

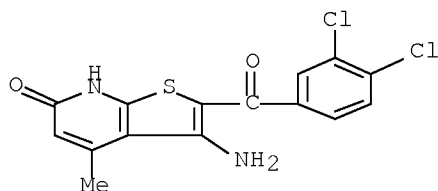
IT 202519-97-9P 369393-07-7P 413583-61-6P
497078-41-8P 671764-09-3P 877214-84-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thiophene and thiazole derivs. as PDE4B inhibitors)

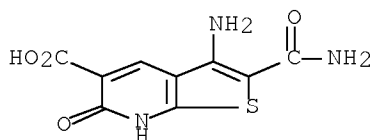
RN 202519-97-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-(3,4-dichlorobenzoyl)-4-methyl- (CA INDEX NAME)



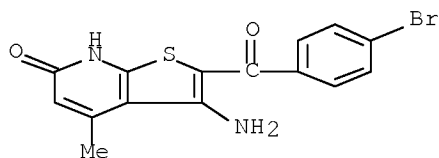
RN 369393-07-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(aminocarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



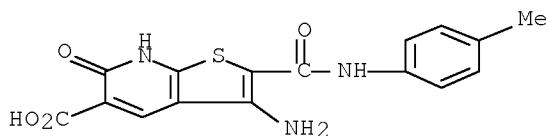
RN 413583-61-6 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 3-amino-2-(4-bromobenzoyl)-4-methyl- (CA INDEX NAME)



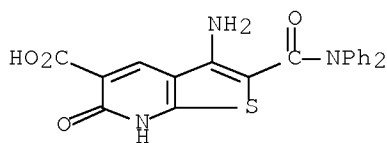
RN 497078-41-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-[(4-methylphenyl)amino]carbonyl]-6-oxo- (CA INDEX NAME)



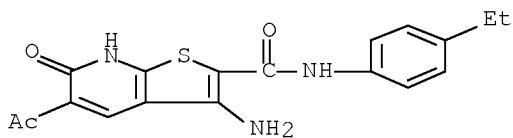
RN 671764-09-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[(diphenylamino)carbonyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



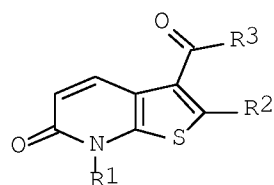
RN 877214-84-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-acetyl-3-amino-N-(4-ethylphenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)

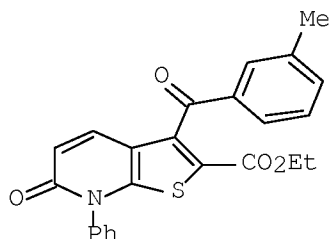


L16 ANSWER 6949651 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:409526 CAPLUS Full-text
 DOCUMENT NUMBER: 142:463710
 TITLE: Preparation of thieno[2,3-b]pyridinone derivatives as
 kinase, especially p38 MAP kinase, inhibitors useful
 in the treatment of and/or prevention of immune or
 inflammatory disorders
 INVENTOR(S): Alexander, Rikki Peter; Davis, Jeremy Martin;
 Hutchings, Martin Clive; Laing, Victoria Elizabeth;
 Trevitt, Graham Peter
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 181 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042540	A1	20050512	WO 2004-GB4490	20041022
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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AU 2004285752	A1	20050512	AU 2004-285752	20041022
CA 2540881	A1	20050512	CA 2004-2540881	20041022
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007509123	T	20070412	JP 2006-536178	20041022
US 20070078131	A1	20070405	US 2006-576731	20060420
PRIORITY APPLN. INFO.:			GB 2003-24902	A 20031024
			GB 2003-29490	A 20031219
			GB 2004-2918	A 20040210
			GB 2004-16934	A 20040729
			WO 2004-GB4490	W 20041022
OTHER SOURCE(S):		MARPAT 142:463710		
GI				



I



II

- AB Title compds. I [wherein R1 = (un)substituted (C3-7 cycloalkyl)methyl, hetero/aryl; R2 = H, NO₂, CN, CO₂H and derivs., NH₂ and derivs., etc.; R3 = (un)substituted hetero/aryl; and their pharmaceutically acceptable salts] were prepared as p38 MAP kinase inhibitors for treating and/or preventing immune or inflammatory disorders. For example, II was prepared by reacting Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given) with 3-methylbenzaldehyde and oxidation with MnO₂. I are potent inhibitors of p38 MAP kinase (IC₅₀ around 2 μM and below), especially p38α kinase.
- IT 514182-52-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-50-8P, Ethyl 3-bromo-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-63-0P, Ethyl 3-[hydroxy(phenyl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-64-1P, Ethyl 3-[(hydroxy)(6-methylpyridin-2-yl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-65-2P, Ethyl 3-[(hydroxy)(3-methylphenyl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-68-5P, Ethyl 7-(cyclopropylmethyl)-3-[(hydroxy)(phenyl)methyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-72-1P, Ethyl 3-[(3-chlorophenyl)(hydroxy)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-64-3P, Ethyl 3-bromo-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-26-7P, Ethyl 3-[(4-fluoro-3-methylphenyl)(hydroxy)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-33-6P, Ethyl 3-[(6-methylpyridin-2-yl)carbonyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-34-7P, 3-[(6-Methylpyridin-2-yl)carbonyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 851747-40-5P, Ethyl 3-[(hydroxy)(3-trifluoromethylphenyl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-41-6P, Ethyl 6-oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-42-7P, 6-Oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 851747-91-6P, Ethyl 3-bromo-6-oxo-7-(pyridin-3-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-93-8P, Ethyl 3-[(hydroxy)(phenyl)methyl]-6-oxo-7-(pyridin-3-yl)-6,7-dihydrothieno[2,3-

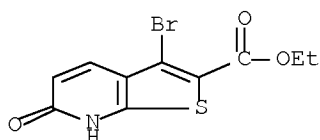
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 3-Benzoyl-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxylic acid

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(intermediate; preparation of thienopyridinones as p38 MAP kinase inhibitors
 useful in the treatment of and/or prevention of immune or inflammatory
 disorders)

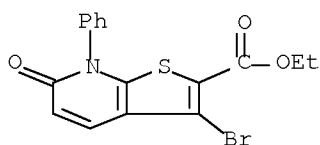
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl
 ester (CA INDEX NAME)



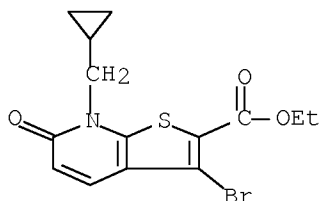
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-
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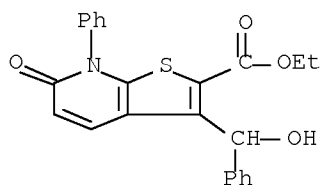
RN 639481-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-
 dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



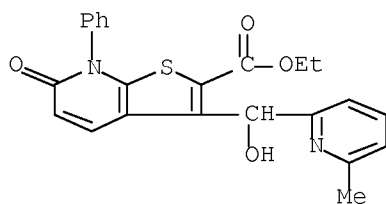
RN 660398-63-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-
 (hydroxyphenylmethyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



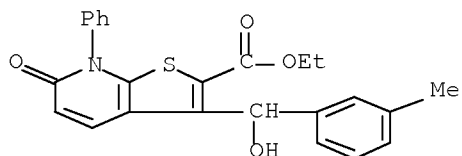
RN 660398-64-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy(6-methyl-2-pyridinyl)methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



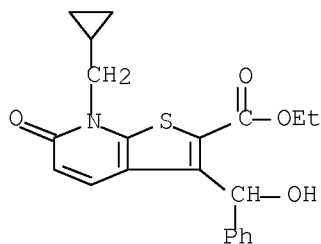
RN 660398-65-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy(3-methylphenyl)methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



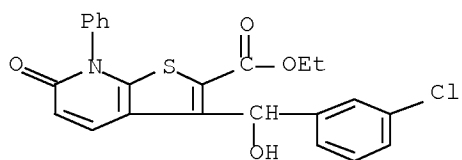
RN 660398-68-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-3-(hydroxyphenylmethyl)-6-oxo-, ethyl ester (CA INDEX NAME)



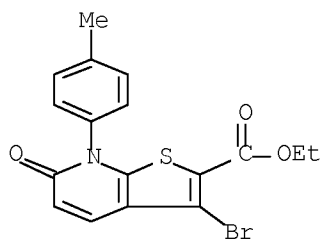
RN 660398-72-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)hydroxymethyl]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



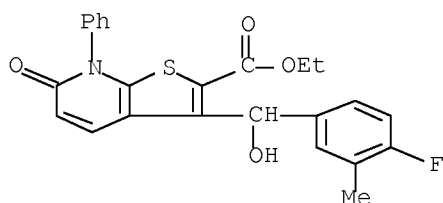
RN 816424-64-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



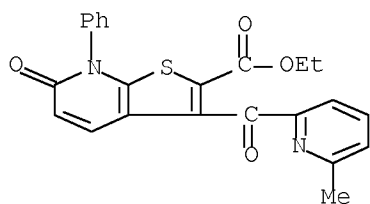
RN 851747-26-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)hydroxymethyl]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



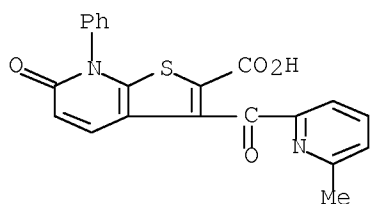
RN 851747-33-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)carbonyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



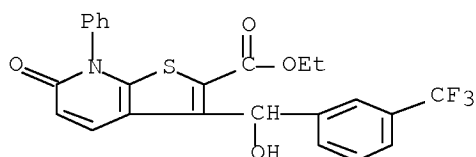
RN 851747-34-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)carbonyl]-6-oxo-7-phenyl- (CA INDEX NAME)



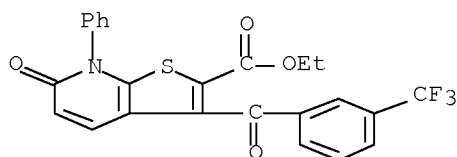
RN 851747-40-5 CAPLUS

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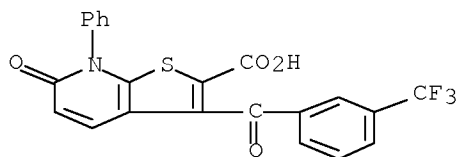
RN 851747-41-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]-, ethyl ester (CA INDEX NAME)



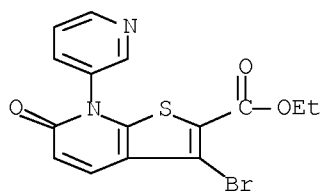
RN 851747-42-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]- (CA INDEX NAME)



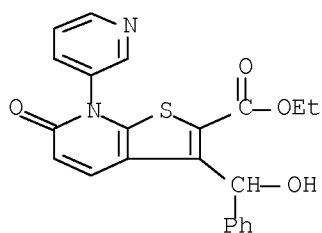
RN 851747-91-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



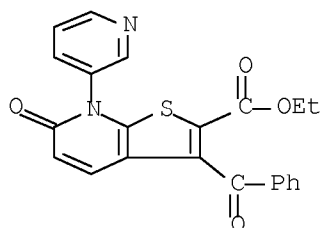
RN 851747-93-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(hydroxyphenylmethyl)-6-oxo-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



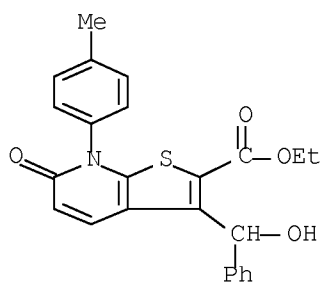
RN 851747-95-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-6-oxo-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)

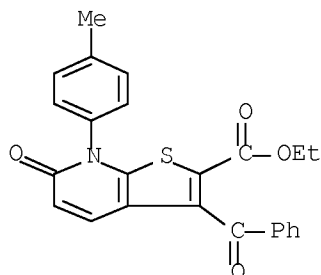


RN 851748-00-0 CAPLUS

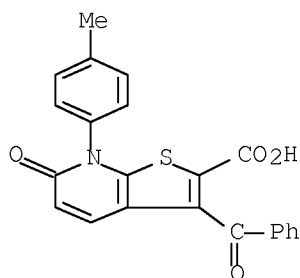
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(hydroxyphenylmethyl)-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 851748-02-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)

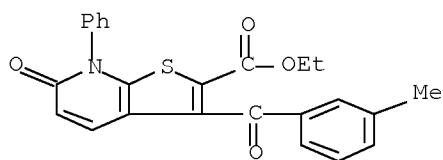


RN 851748-04-4 CAPLUS
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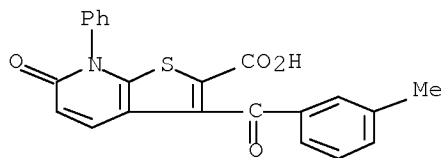
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 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (p38 α kinase inhibitor; preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)

RN 851750-29-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methylbenzoyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



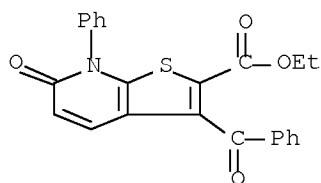
RN 851750-31-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methylbenzoyl)-6-oxo-7-phenyl- (CA INDEX NAME)



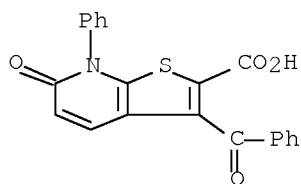
RN 851750-47-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



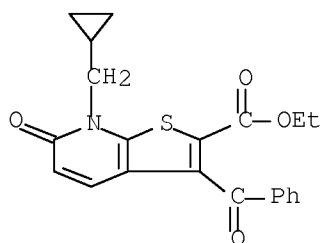
RN 851750-49-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



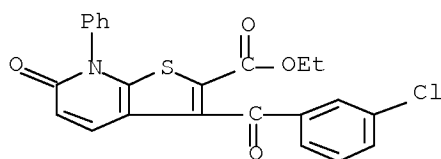
RN 851751-02-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



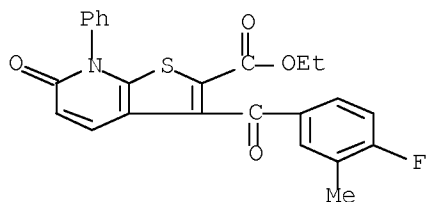
RN 851751-12-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-chlorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 851751-22-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluoro-3-methylbenzoyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



IT 851750-39-5P, 3-(3-Methylbenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-41-9P, 2-(Azetidin-1-ylcarbonyl)-3-(3-methylbenzoyl)-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-85-1P, 3-Benzoyl-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-87-3P, 2-(Azetidin-1-ylcarbonyl)-3-benzoyl-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-89-5P, 3-Benzoyl-N-(1,1-dimethyl-2-hydroxyethyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-91-9P, 3-Benzoyl-N,N-dimethyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-93-1P, 3-Benzoyl-2-[[(2S)-2-(hydroxymethyl)pyrrolidin-1-yl]carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-94-2P, 3-Benzoyl-2-(morpholin-4-ylcarbonyl)-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-96-4P, 3-Benzoyl-7-phenyl-2-(pyrrolidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one 851751-00-3P, 3-Benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851751-10-5P, 3-(3-Chlorobenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851751-18-3P, 3-(2,4-Difluorobenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851751-20-7P, 3-(4-Fluoro-3-methylbenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-

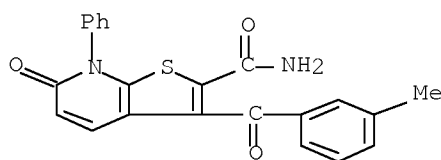
b]pyridine-2-carboxamide 851751-28-5P, 3-(3-Chloro-4-fluorobenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(p38 α kinase inhibitor; preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)

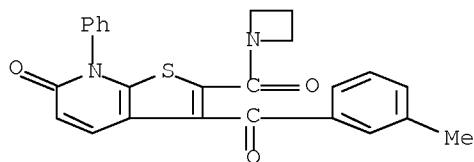
RN 851750-39-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-(3-methylbenzoyl)-6-oxo-7-phenyl- (CA INDEX NAME)



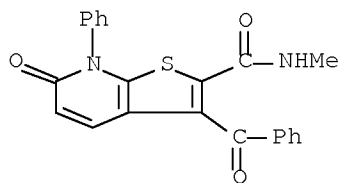
RN 851750-41-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-(1-azetidinyldicarbonyl)-3-(3-methylbenzoyl)-7-phenyl- (CA INDEX NAME)



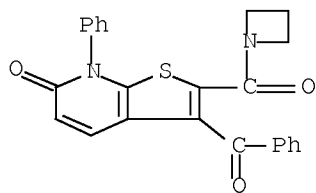
RN 851750-85-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)



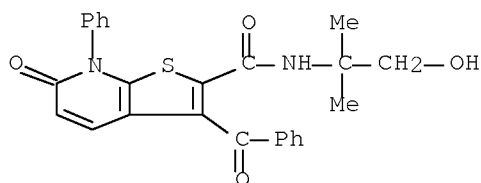
RN 851750-87-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-(1-azetidinyldicarbonyl)-3-benzoyl-7-phenyl- (CA INDEX NAME)



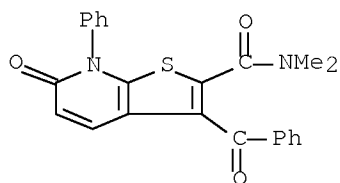
RN 851750-89-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl- (CA INDEX NAME)



RN 851750-91-9 CAPLUS

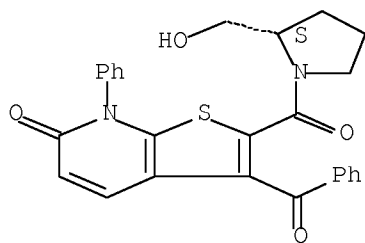
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-N,N-dimethyl-6-oxo-7-phenyl- (CA INDEX NAME)



RN 851750-93-1 CAPLUS

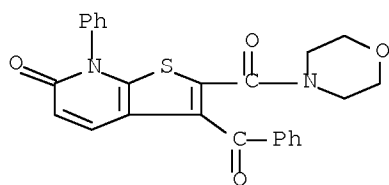
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-benzoyl-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



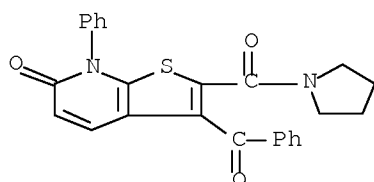
RN 851750-94-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-benzoyl-2-(4-morpholinylcarbonyl)-7-phenyl- (CA INDEX NAME)



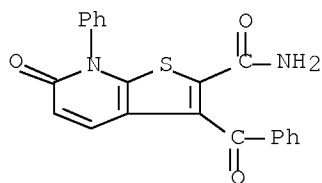
RN 851750-96-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-benzoyl-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



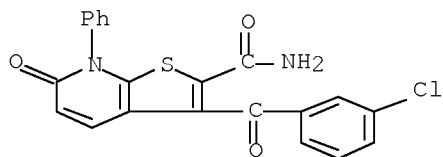
RN 851751-00-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



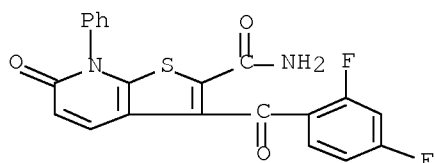
RN 851751-10-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(3-chlorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



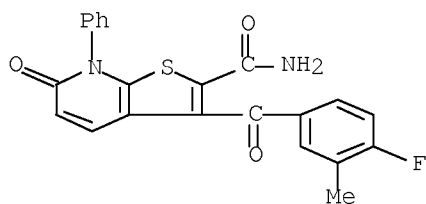
RN 851751-18-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(2,4-difluorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



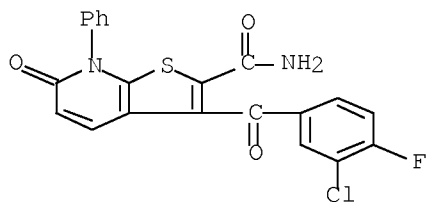
RN 851751-20-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(4-fluoro-3-methylbenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 851751-28-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(3-chloro-4-fluorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154722 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 142:93797

TITLE: Process for preparing 3-aminothienopyridone derivatives and their applications to the synthesis of p38 MAP kinase inhibitors

INVENTOR(S): Evans, Graham Robert; Smith, Ian Harold; Tremayne, Neil; Jones, Leighton; Langston, Marianne

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

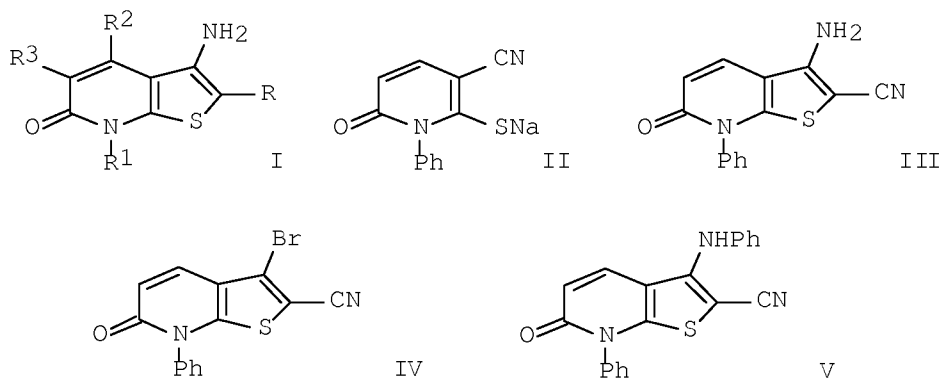
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004113349	A1	20041229	WO 2004-GB2680	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249507	A1	20041229	AU 2004-249507	20040618
CA 2528927	A1	20041229	CA 2004-2528927	20040618
EP 1638980	A1	20060329	EP 2004-743031	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007516163	T	20070621	JP 2006-516465	20040618
US 20070191608	A1	20070816	US 2006-561051	20060608
PRIORITY APPLN. INFO.:			GB 2003-14493	A 20030620
			GB 2003-29471	A 20031219
			WO 2004-GB2680	W 20040618
OTHER SOURCE(S):		MARPAT 142:93797		
GI				



AB This invention provides a class of 3-amino-7H-thieno[2,3-b]pyridin-6-one derivs. I [wherein R = cyano, NO₂, CO₂Alk₂, C(O)alkyl, CONHHet₂; Alk₂ = (un)substituted alkyl or aryl; Het₂ = (un)substituted 4/5/6-membered heterocycloalkyl; R₁ = (un)substituted (hetero)aryl or (hetero)cycloalkyl; R₂, R₃ = H or a hydrogen atom precursor, or salts, solvates, hydrates, protected derivs. and N-oxides thereof], a process for their preps., and the use thereof as intermediates in the manufacture of certain p38 MAP kinase inhibitors. For example, 2-cyano-N-phenylthioacetamide was treated with N,N-dimethyluracil to give crude thiolate II containing about 20% ethanol, which was directly refluxed with chloroacetonitrile in acetonitrile for 2 h to afford amine III. This compound underwent diazotization and subsequent halide displacement with tert-butyl nitrite and CuBr₂, leading to bromide IV. Pd-catalyzed N-alkylation of III with bromobenzene or amination of IV with aniline yielded V. Conversion of this product to the corresponding

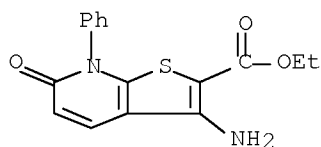
carboxamide was realized by the hydrolysis of the cyano group in the presence of NaOH-H₂O-Ethanol system.

IT 639481-34-8P, 3-Amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid ethyl ester 817177-51-8P, 3-Amino-7-phenyl-2-[(pyrrolidin-1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 817177-53-0P 817177-54-1P 817177-55-2P, (S)-3-Amino-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 817177-58-5P, 3-Amino-2-(4-ethylpiperazin-1-ylcarbonyl)-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 817177-59-6P, 3-Bromo-2-(4-ethylpiperazin-1-ylcarbonyl)-7-phenyl-7H-thieno[2,3-b]pyridin-6-one

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

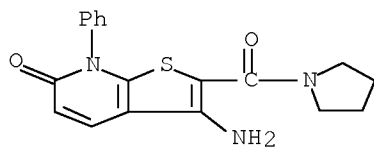
RN 639481-34-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 817177-51-8 CAPLUS

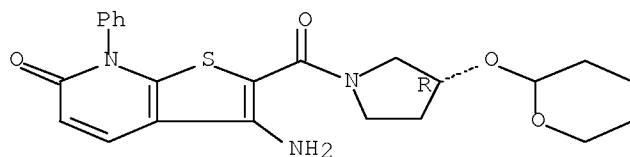
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



RN 817177-53-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-phenyl-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

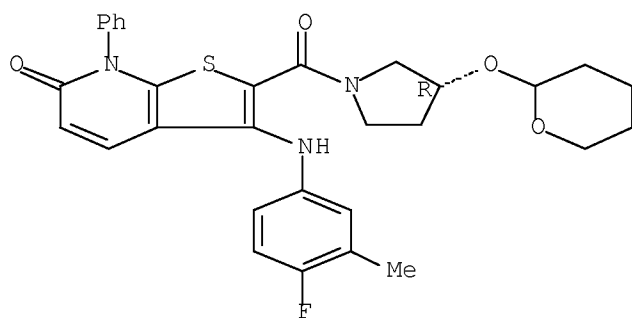
Absolute stereochemistry.



RN 817177-54-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

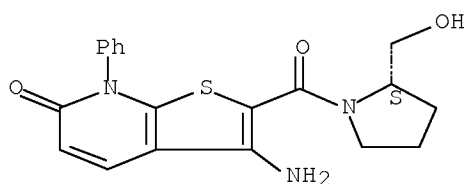
Absolute stereochemistry.



RN 817177-55-2 CAPLUS

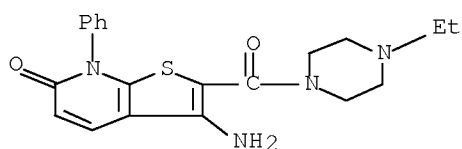
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



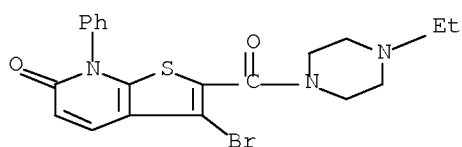
RN 817177-58-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 817177-59-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



IT 514182-57-1P, 3-Bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-

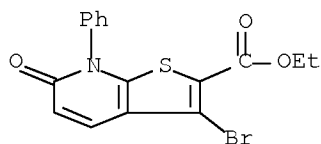
b]pyridine-2-carboxylic acid ethyl ester 639479-29-1P,
 6-Oxo-7-phenyl-3-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxamide 639479-37-1P, 7-(2-Chlorophenyl)-3-[(4-fluoro-3-
 methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide
 639479-46-2P, 7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxamide 639480-85-6P,
 6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxamide 639481-18-8P, 7-Phenyl-3-phenylamino-2-[(pyrrolidin-
 1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 639481-20-2P,
 2-[(4-Ethylpiperazin-1-yl)carbonyl]-7-phenyl-3-phenylamino-7H-thieno[2,3-
 b]pyridin-6-one 816424-17-6P, (S)-3-(4-Fluoro-3-
 methylphenylamino)-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-
 7H-thieno[2,3-b]pyridin-6-one 816424-21-2P, (R)-3-(4-Fluoro-3-
 methylphenylamino)-2-[(3-hydroxypyrrolidin-1-yl)carbonyl]-7-phenyl-7H-
 thieno[2,3-b]pyridin-6-one

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
 (Preparation)

(process for preparing 3-aminothienopyridone derivs. and their
 applications to the synthesis of p38 MAP kinase inhibitors)

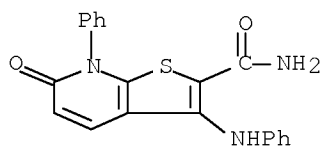
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-
 phenyl-, ethyl ester (CA INDEX NAME)



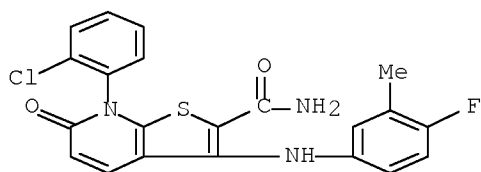
RN 639479-29-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-
 (phenylamino)- (CA INDEX NAME)

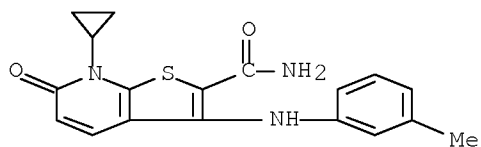


RN 639479-37-1 CAPLUS

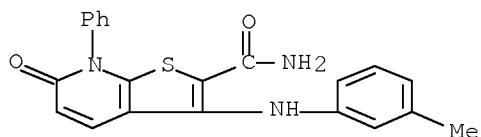
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-3-[(4-fluoro-3-
 methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



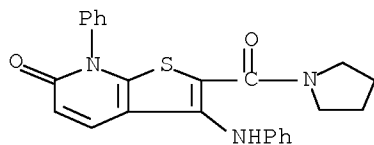
RN 639479-46-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



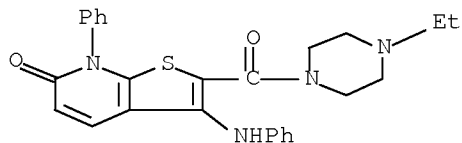
RN 639480-85-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-18-8 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)

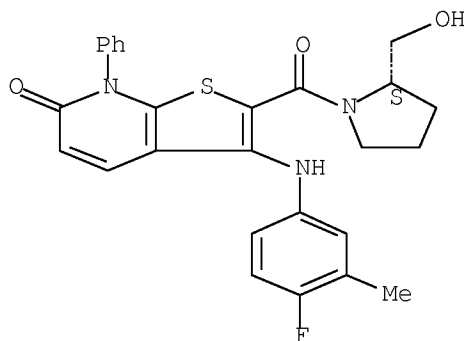


RN 639481-20-2 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



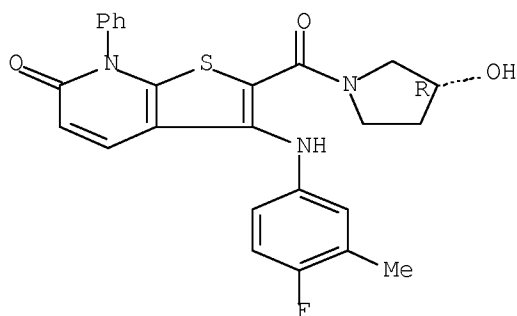
RN 816424-17-6 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-21-2 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
 [[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1154721 CAPLUS [Full-text](#)
 DOCUMENT NUMBER: 142:93796
 TITLE: Preparation of thienopyridone derivatives as p38 MAPK
 inhibitors
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;
 Langham, Barry John
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 90 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113348	A1	20041229	WO 2004-GB2644	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

AU 2004249498	A1	20041229	AU 2004-249498	20040618
CA 2528603	A1	20041229	CA 2004-2528603	20040618
EP 1638979	A1	20060329	EP 2004-742997	20040618

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK

JP 2007516162	T	20070621	JP 2006-516453	20040618
US 20060247269	A1	20061102	US 2006-561050	20060629

PRIORITY APPLN. INFO.: GB 2003-14490 A 20030620
 GB 2003-29495 A 20031219
 WO 2004-GB2644 W 20040618

OTHER SOURCE(S): MARPAT 142:93796
 GI

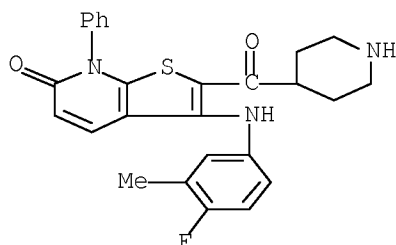
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein X = covalent bond, NH or N(alkyl); Y = C(O) or S(O)₂; A = (CH₂)_q; B = (CH₂)_m; n = 0 or 1; m = 1-3; p = 0-4; q = 0-2; R = (un)substituted OH, alkoxy or amino; L = O, S, S(O), S(O)₂ or CH₂, CHR or CR₂, NH or N(alkyl); ALK1 = alkylene; Cyl = (un)substituted (hetero)cycle or (hetero)aryl; Ar = (un)substituted (hetero)aryl; or salts, solvates, hydrates and N-oxides thereof] were prepared as p38 MAPK inhibitors. For example, II was synthesized in several steps from Et 3-bromo-6-oxo-7- phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given), via amination with 2,4-difluoroaniline, ester hydrolysis, carboxy group activation with pentafluorophenol and coupling with cis-2- aminocyclopentanol hydrochloride. Example compds. had IC₅₀ values of around 1 μM and below for human p38α kinase. Therefore, I and pharmaceutical compns. thereof are useful for the treatment and/or prevention of immune or inflammatory disorders.

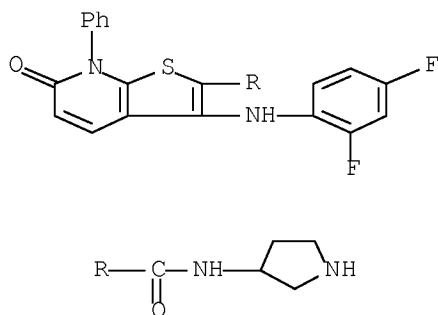
IT 816464-58-1P, 3-[(4-Fluoro-3-methylphenyl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

RN 816464-58-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)

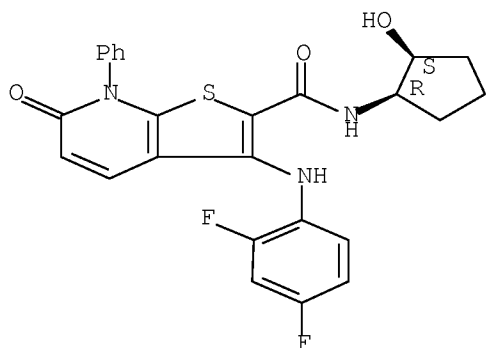


IT 639481-27-9P 816464-52-5P 816464-53-6P
 816464-54-7P, 3-[(2,4-Difluorophenyl)amino]-N-((1S,2S)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-55-8P, 3-[(2,4-Difluorophenyl)amino]-N-((1R,2R)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-56-9P 816464-57-0P, 3-Anilino-7-phenyl-2-(piperidin-4-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one 816464-59-2P, N-(Azetidin-3-yl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-60-5P 816464-61-6P 816464-62-7P 816464-63-8P, 3-[(2,4-Difluorophenyl)amino]-6-oxo-7-phenyl-N-(piperidin-4-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-64-9P, 3-[(2,4-Difluorophenyl)amino]-N-(1-methylpiperidin-4-yl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-65-0P, 3-[(2,4-Difluorophenyl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-66-1P, 3-[(6-Methylpyridin-2-yl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-67-2P, 3-[(4-Fluoro-3-methylphenyl)amino]-2-[(1-methylpiperidin-4-yl)carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)
 RN 639481-27-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 816464-52-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2S)-2-hydroxycyclopentyl]-6-oxo-7-phenyl-, rel- (CA INDEX NAME)

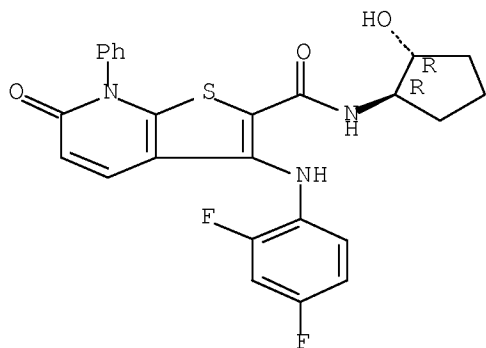
Relative stereochemistry.



RN 816464-53-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-6-oxo-7-phenyl-, rel- (CA INDEX NAME)

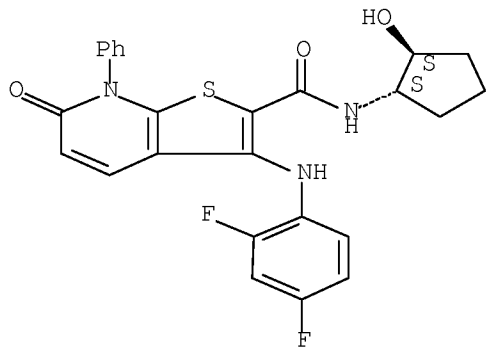
Relative stereochemistry.



RN 816464-54-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1S,2S)-2-hydroxycyclopentyl]-6-oxo-7-phenyl- (CA INDEX NAME)

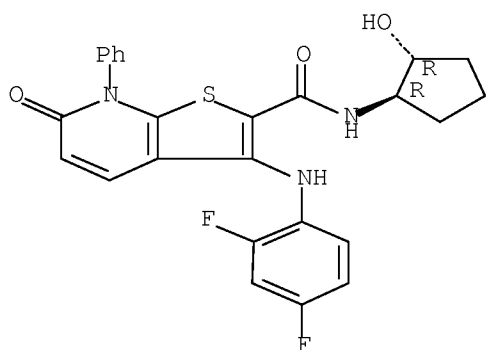
Absolute stereochemistry.



RN 816464-55-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-6-oxo-7-phenyl- (CA INDEX NAME)

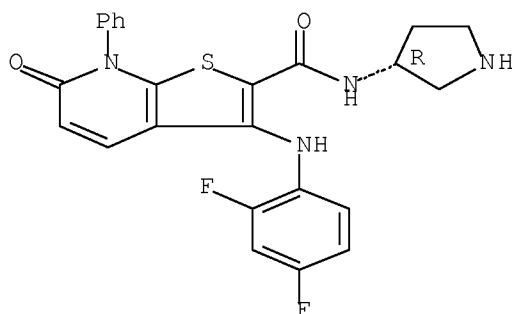
Absolute stereochemistry.



RN 816464-56-9 CAPLUS

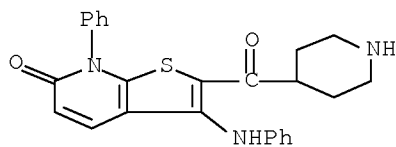
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3R)-3-pyrrolidinyl- (CA INDEX NAME)

Absolute stereochemistry.



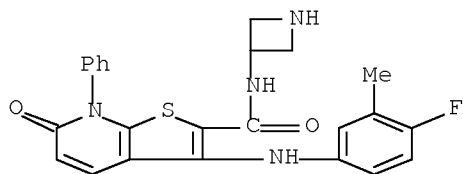
RN 816464-57-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-59-2 CAPLUS

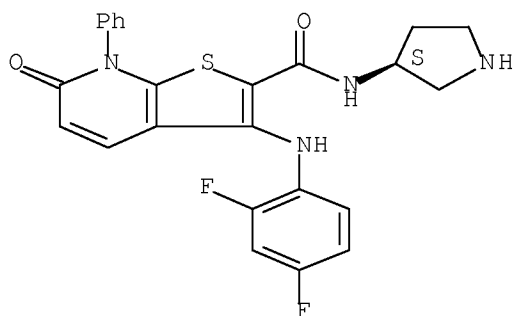
CN Thieno[2,3-b]pyridine-2-carboxamide, N-3-azetidiny-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 816464-60-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3S)-3-pyrrolidinyl- (CA INDEX NAME)

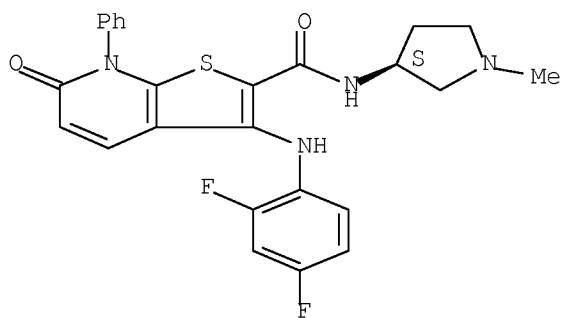
Absolute stereochemistry.



RN 816464-61-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(3S)-1-methyl-3-pyrrolidinyl]-6-oxo-7-phenyl- (CA INDEX NAME)

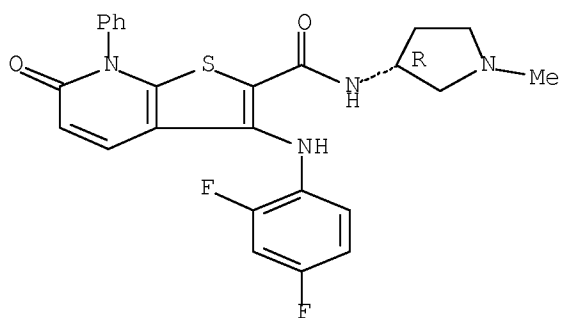
Absolute stereochemistry.



RN 816464-62-7 CAPLUS

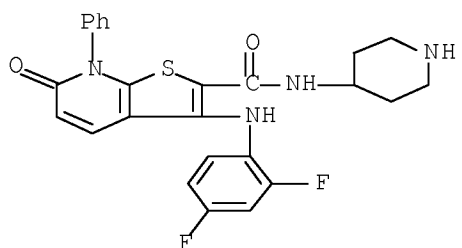
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(3R)-1-methyl-3-pyrrolidinyl]-6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



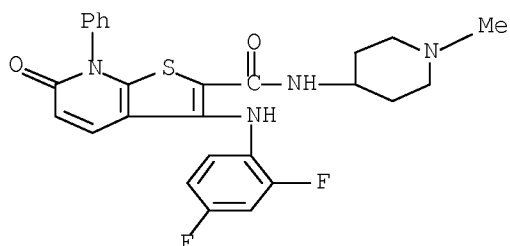
RN 816464-63-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-4-piperidinyl- (CA INDEX NAME)



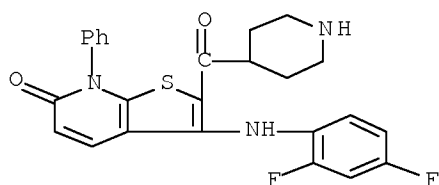
RN 816464-64-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(1-methyl-4-piperidinyl)-6-oxo-7-phenyl- (CA INDEX NAME)



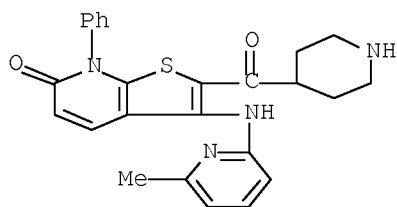
RN 816464-65-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



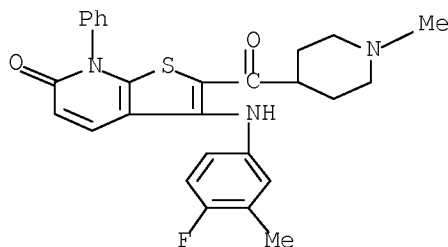
RN 816464-66-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(6-methyl-2-pyridinyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-67-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(1-methyl-4-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



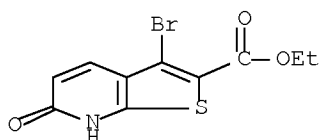
IT 514182-52-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-02-3P, Pentafluorophenyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-11-4P, Pentafluorophenyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-17-0P, Benzyl 3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate 639504-79-3P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P, Lithium 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-66-5P, Lithium 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816464-41-2P, Tert-Butyl (3R)-3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate 816464-43-4P, 9H-Fluoren-9-ylmethyl 4-[(3-amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate 816464-44-5P, 9H-Fluoren-9-ylmethyl 4-[(3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate 816464-45-6P, Tert-Butyl (3S)-3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate 816464-46-7P, Tert-Butyl 4-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-

dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]piperidine-1-carboxylate
 816464-48-9P, Benzyl 4-[(3-amino-6-oxo-7-phenyl-6,7-
 dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate
 816464-49-0P, Benzyl 4-[(3-bromo-6-oxo-7-phenyl-6,7-
 dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate
 816464-50-3P, Benzyl 4-[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-
 phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]piperidine-1-
 carboxylate 816464-51-4P, Benzyl 4-[[3-[(6-methylpyridin-2-
 yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-
 yl]carbonyl]piperidine-1-carboxylate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 MAPK inhibitors)

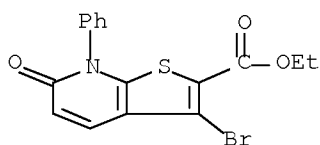
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl
 ester (CA INDEX NAME)



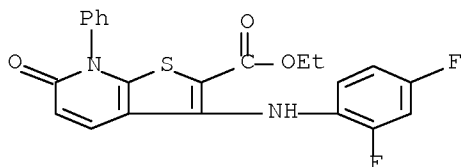
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-
 phenyl-, ethyl ester (CA INDEX NAME)



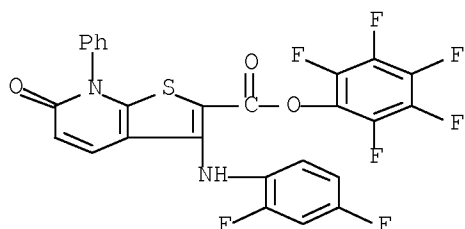
RN 639479-24-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-
 dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



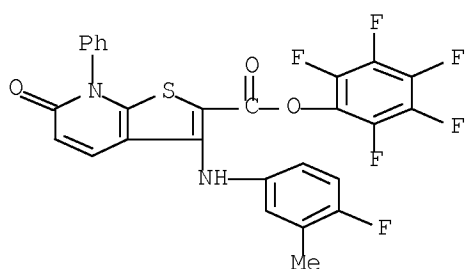
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-
 dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX
 NAME)



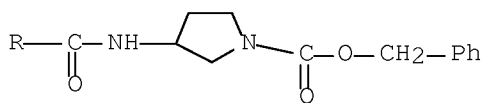
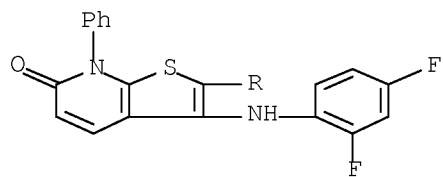
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



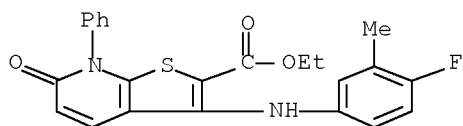
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



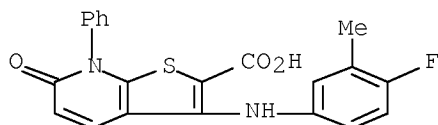
RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 816424-65-4 CAPLUS

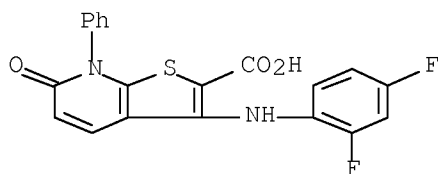
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-66-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)

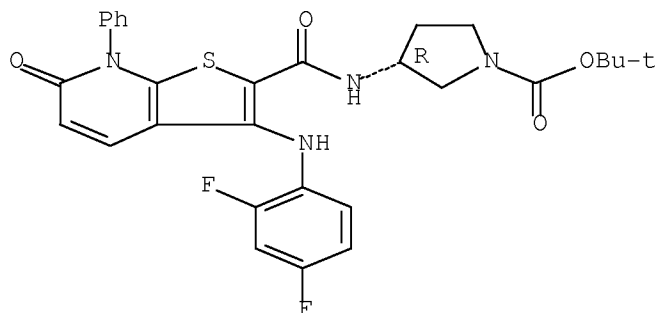


● Li

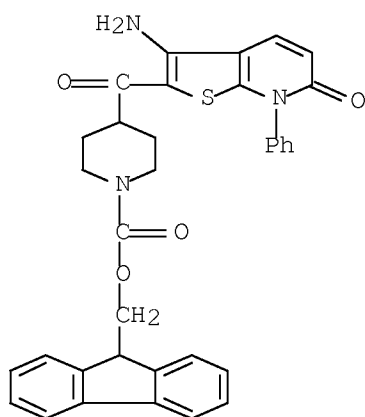
RN 816464-41-2 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

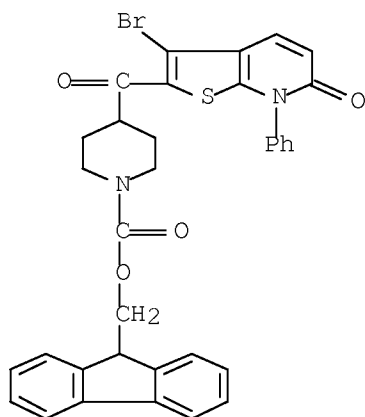
Absolute stereochemistry.



RN 816464-43-4 CAPLUS
 CN 1-Piperidinecarboxylic acid, 4-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, 9H-fluoren-9-ylmethyl ester
 (CA INDEX NAME)

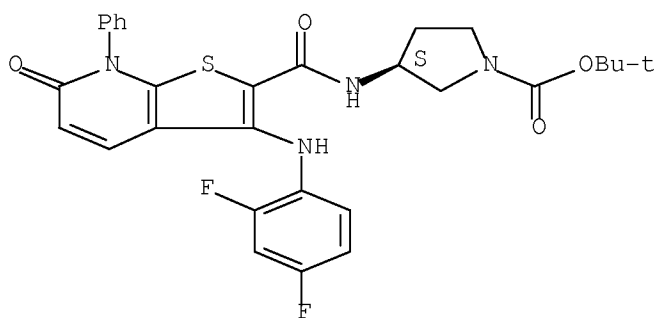


RN 816464-44-5 CAPLUS
 CN 1-Piperidinecarboxylic acid, 4-[(3-bromo-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, 9H-fluoren-9-ylmethyl ester
 (CA INDEX NAME)



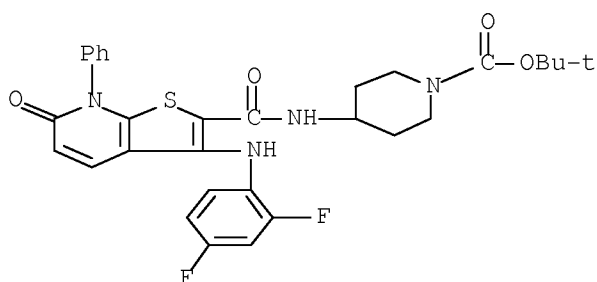
RN 816464-45-6 CAPLUS
 CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.



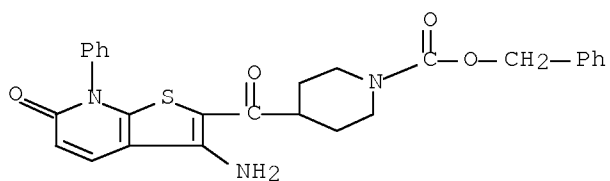
RN 816464-46-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



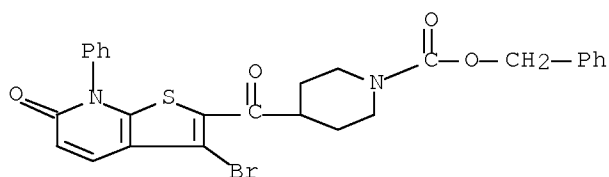
RN 816464-48-9 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, phenylmethyl ester (CA INDEX NAME)



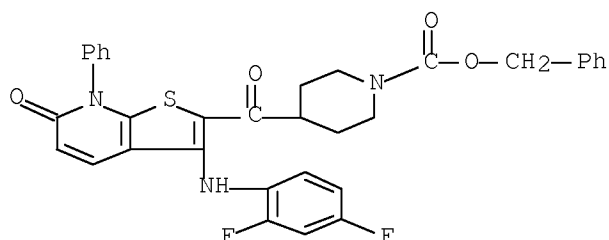
RN 816464-49-0 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(3-bromo-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, phenylmethyl ester (CA INDEX NAME)



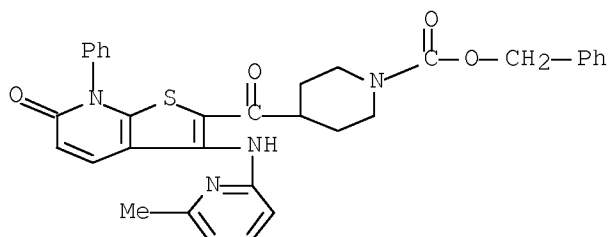
RN 816464-50-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



RN 816464-51-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154720 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 142:93795

TITLE: Preparation of thienopyridone derivatives as p38 α kinase inhibitors

INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 129 pp.

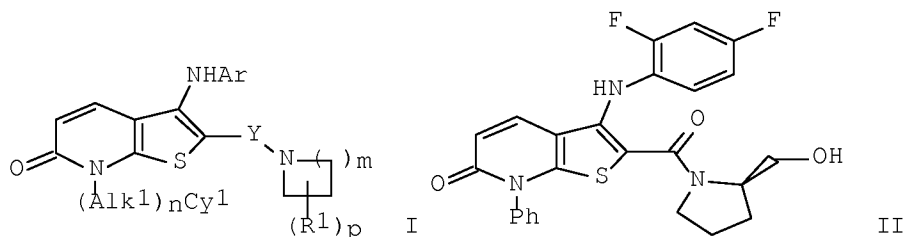
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113347	A1	20041229	WO 2004-GB2621	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249495	A1	20041229	AU 2004-249495	20040618
CA 2528602	A1	20041229	CA 2004-2528602	20040618
EP 1641804	A1	20060405	EP 2004-742976	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004010653	A	20060704	BR 2004-10653	20040618
CN 1809575	A	20060726	CN 2004-80017320	20040618
JP 2007516161	T	20070621	JP 2006-516443	20040618
MX 2005PA13227	A	20060309	MX 2005-PA13227	20051206
IN 2005DN05823	A	20080201	IN 2005-DN5823	20051214
NO 2006000279	A	20060320	NO 2006-279	20060119
US 20070099894	A1	20070503	US 2006-561052	20061010
PRIORITY APPLN. INFO.:			GB 2003-14492	A 20030620
			GB 2003-29485	A 20031219
			WO 2004-GB2621	W 20040618
OTHER SOURCE(S):			CASREACT 142:93795; MARPAT 142:93795	
GI				



AB Title compds. I [Y = linking group CO, SO₂; n = 0-1; m, p = 1-4; R1 = OH, alkylene-OH, alkoxy, etc.; Alk1 = alkylene; Cy1 = cycloaliph., aromatic, heteroarom., etc.; Ar = (un)substituted (hetero)aromatic, etc.] are prepared For instance, 3-Bromo-7-phenyl-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy)methyl]pyrrolidin-1-yl]carbonyl]thieno[2,3-b]pyridin-6(7H)-one (preparation given) is coupled to 2,4-difluoroaniline (PhMe, Cs₂CO₃, BINAP, Pd₂(dba)₃, reflux 48 h) and the resulting product deprotected with HCl to give II. All compds. inhibit p38 kinase with IC₅₀ of 1 μM or less. I are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816423-93-5P 816423-94-6P 816423-95-7P
816423-96-8P 816423-97-9P 816423-98-0P

816423-99-1P 816424-00-7P 816424-01-8P
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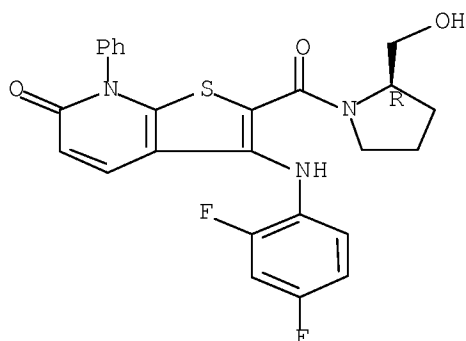
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of thienopyridone derivs. as p38 α kinase inhibitors)

RN 816423-93-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

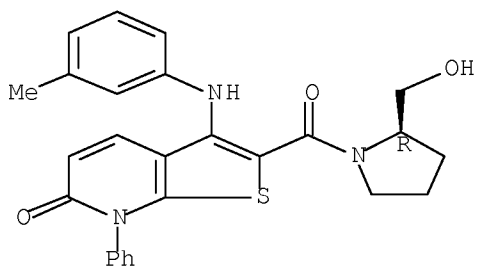
Absolute stereochemistry.



RN 816423-94-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

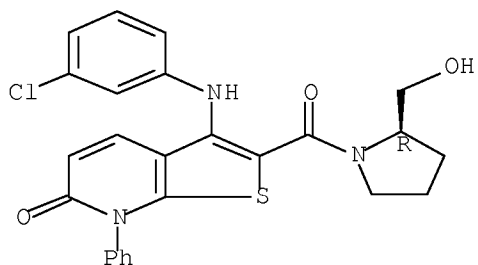
Absolute stereochemistry.



RN 816423-95-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

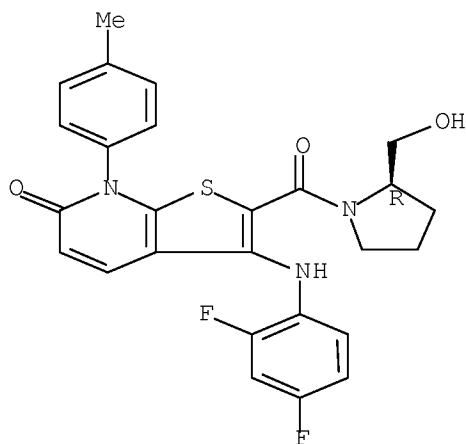
Absolute stereochemistry.



RN 816423-96-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

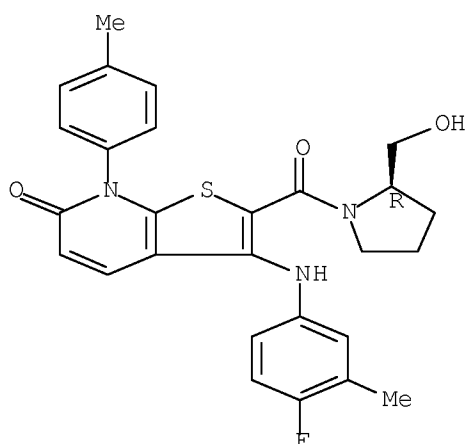
Absolute stereochemistry.



RN 816423-97-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

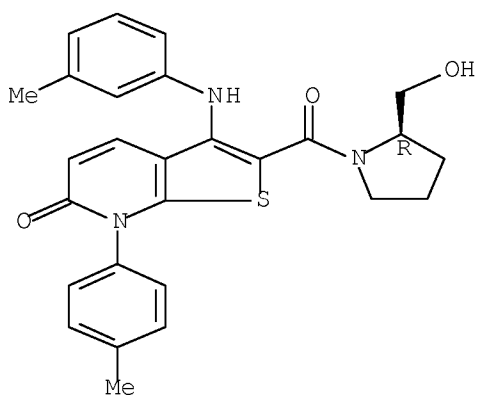
Absolute stereochemistry.



RN 816423-98-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

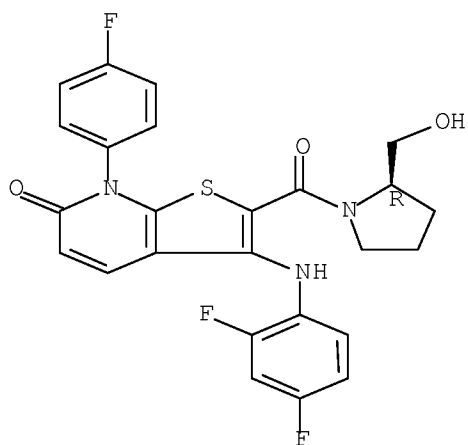
Absolute stereochemistry.



RN 816423-99-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

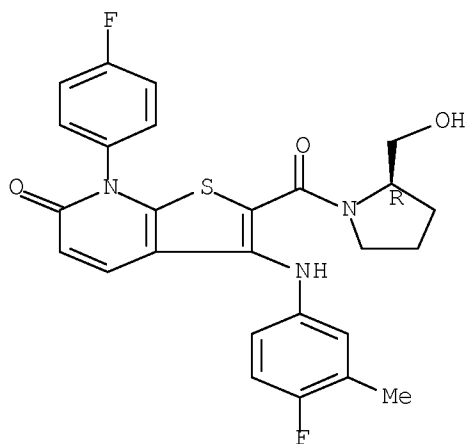
Absolute stereochemistry.



RN 816424-00-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

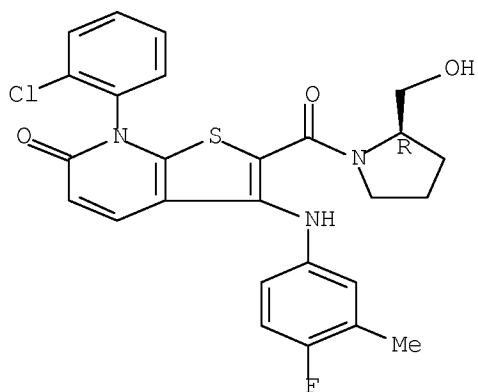
Absolute stereochemistry.



RN 816424-01-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

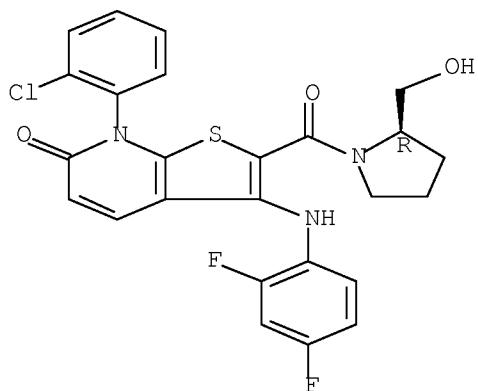
Absolute stereochemistry.



RN 816424-02-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-
(CA INDEX NAME)

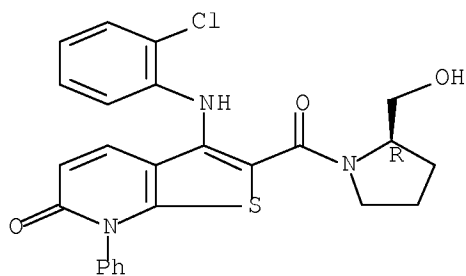
Absolute stereochemistry.



RN 816424-03-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

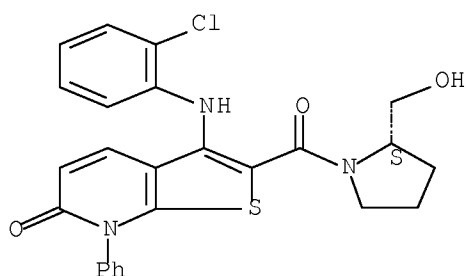
Absolute stereochemistry.



RN 816424-04-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

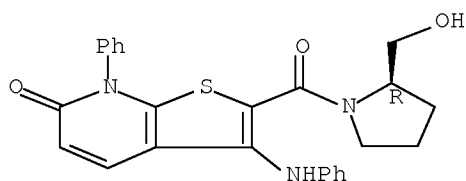
Absolute stereochemistry.



RN 816424-05-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

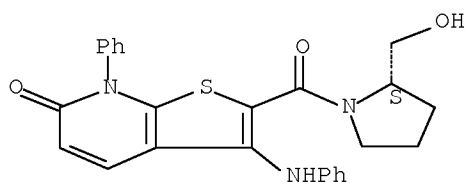
Absolute stereochemistry.



RN 816424-06-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

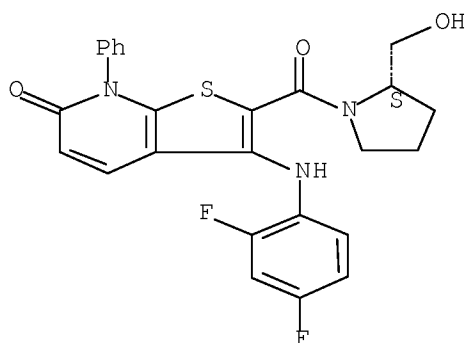
Absolute stereochemistry.



RN 816424-07-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

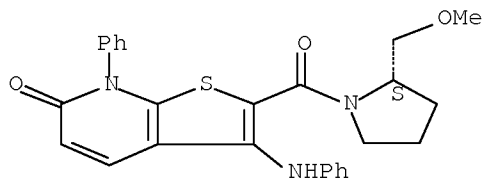
Absolute stereochemistry.



RN 816424-08-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

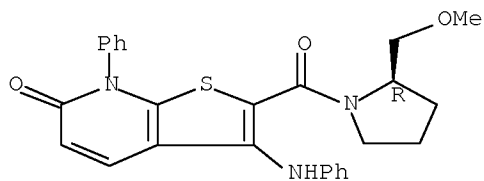
Absolute stereochemistry.



RN 816424-09-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

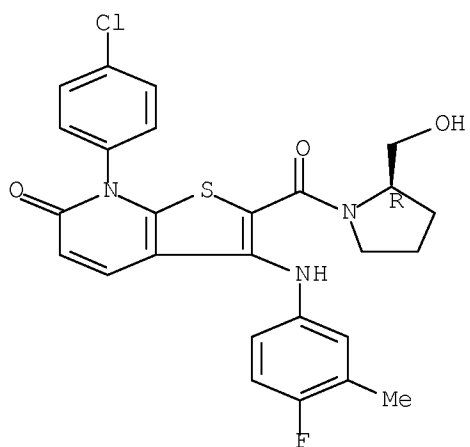
Absolute stereochemistry.



RN 816424-10-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

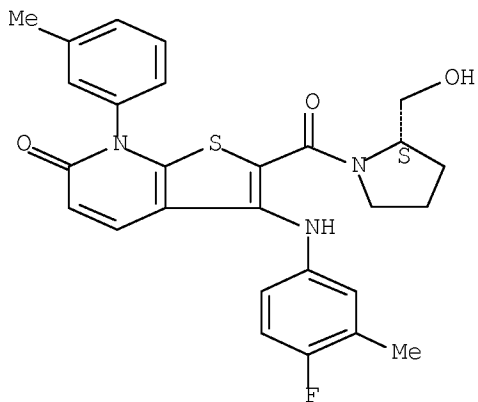
Absolute stereochemistry.



RN 816424-11-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
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INDEX NAME)

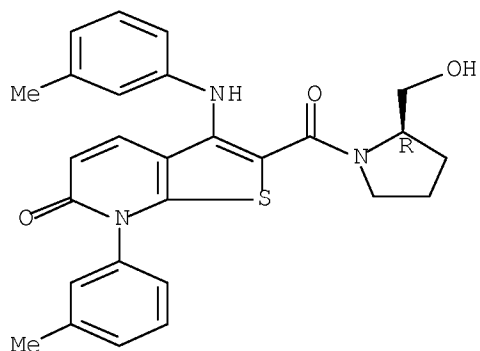
Absolute stereochemistry.



RN 816424-12-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(hydroxymethyl)-1-
pyrrolidinyl]carbonyl]-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]- (CA
INDEX NAME)

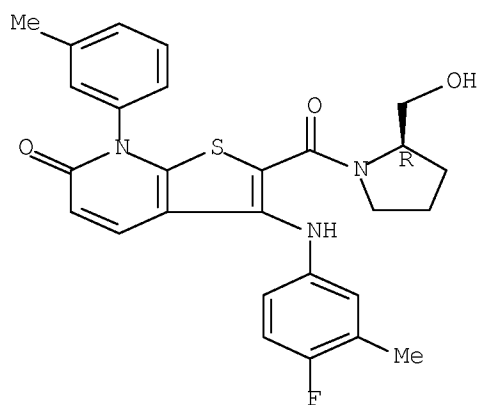
Absolute stereochemistry.



RN 816424-13-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA INDEX NAME)

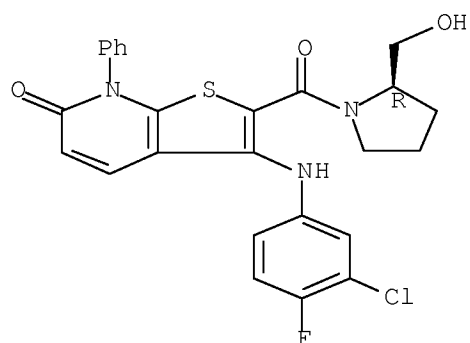
Absolute stereochemistry.



RN 816424-14-3 CAPLUS

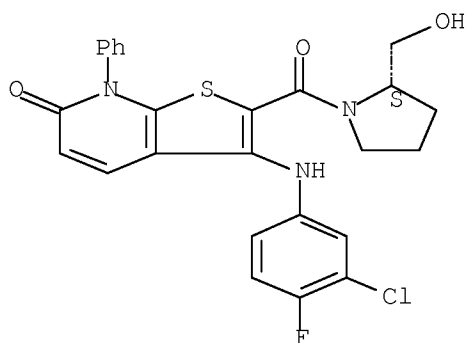
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



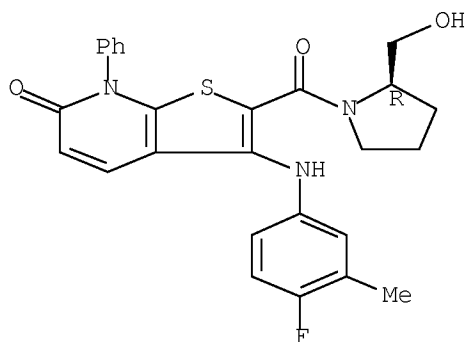
RN 816424-15-4 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-
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NAME)

Absolute stereochemistry.



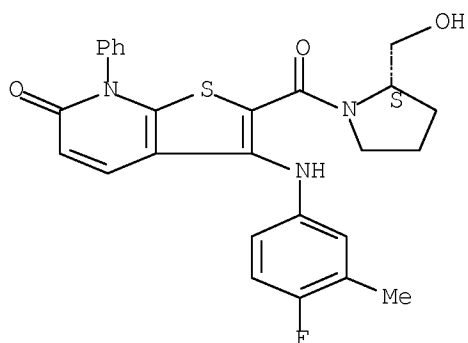
RN 816424-16-5 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
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NAME)

Absolute stereochemistry.



RN 816424-17-6 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-
[[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX
NAME)

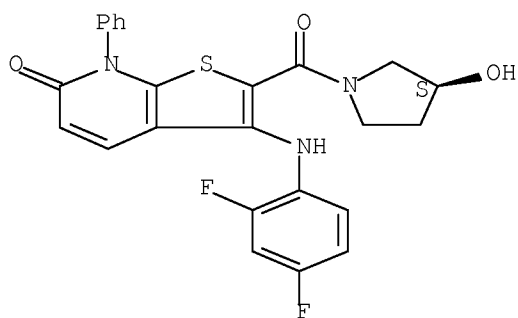
Absolute stereochemistry.



RN 816424-18-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

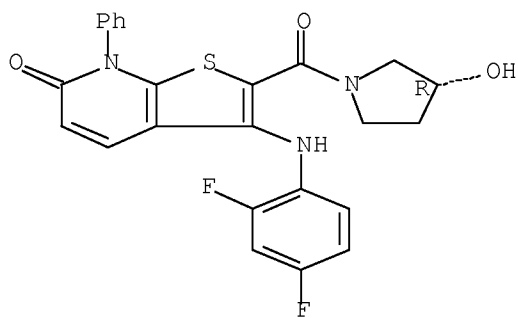
Absolute stereochemistry.



RN 816424-19-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

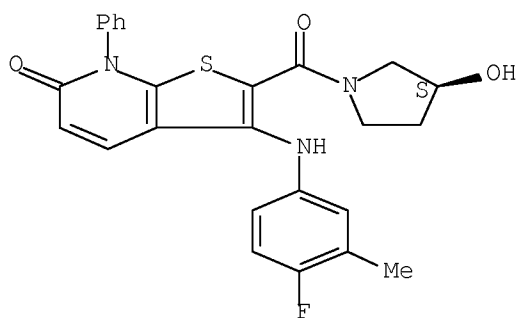
Absolute stereochemistry.



RN 816424-20-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

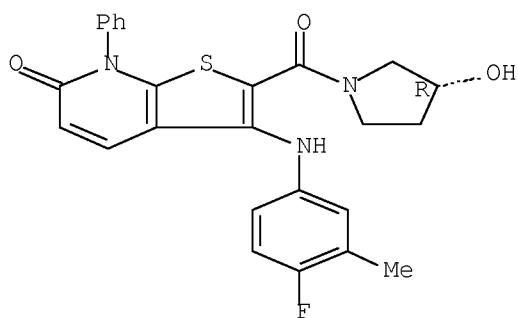
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

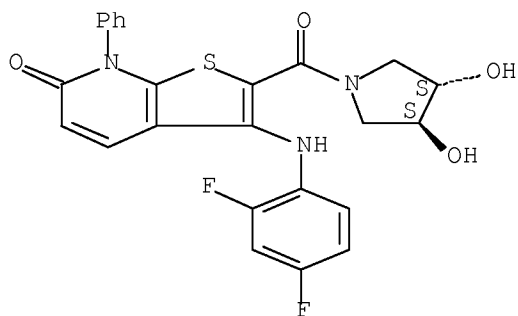
Absolute stereochemistry.



RN 816424-22-3 CAPLUS

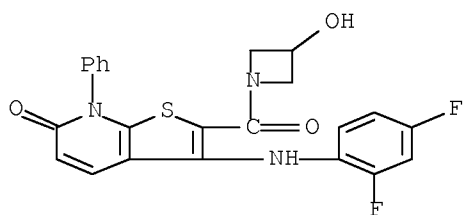
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-23-4 CAPLUS

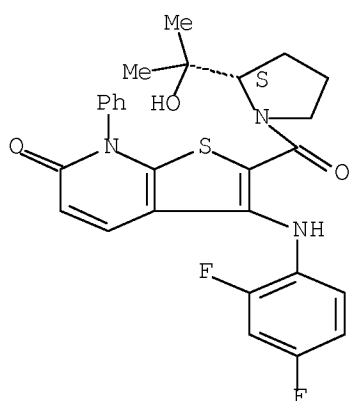
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-azetidiny]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-24-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2S)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

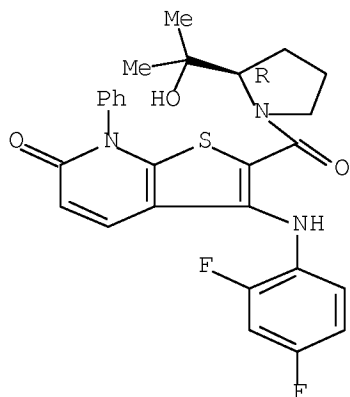
Absolute stereochemistry.



RN 816424-25-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.

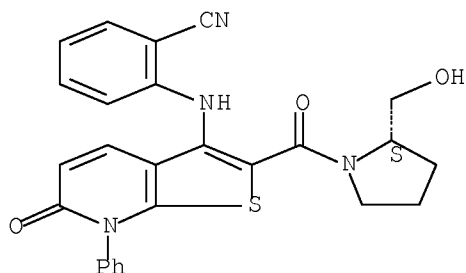


RN 816424-26-7 CAPLUS

CN Benzonitrile, 2-[[6,7-dihydro-2-[[(2S)-2-(hydroxymethyl)-1-

pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]-
(CA INDEX NAME)

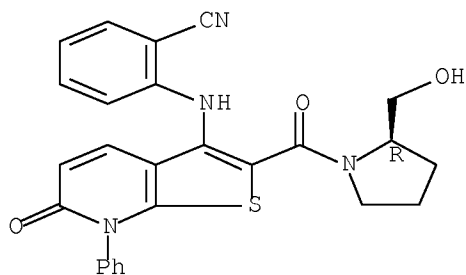
Absolute stereochemistry.



RN 816424-27-8 CAPLUS

CN Benzonitrile, 2-[[6,7-dihydro-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]-
(CA INDEX NAME)

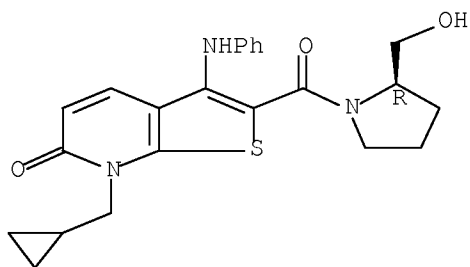
Absolute stereochemistry.



RN 816424-28-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(cyclopropylmethyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-(phenylamino)- (CA INDEX NAME)

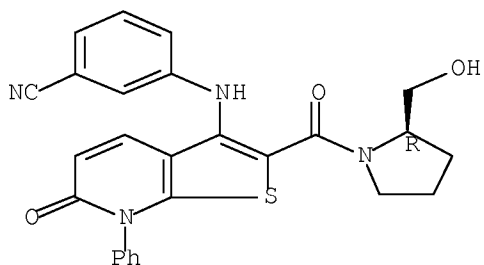
Absolute stereochemistry.



RN 816424-29-0 CAPLUS

CN Benzonitrile, 3-[[6,7-dihydro-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]-
(CA INDEX NAME)

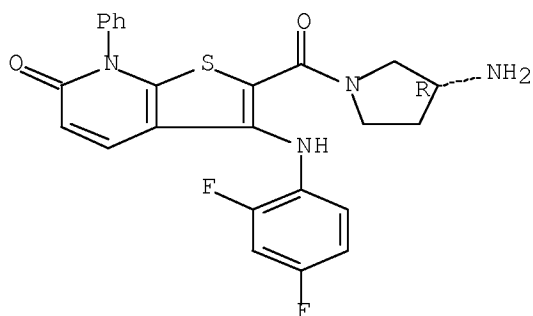
Absolute stereochemistry.



RN 816424-31-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

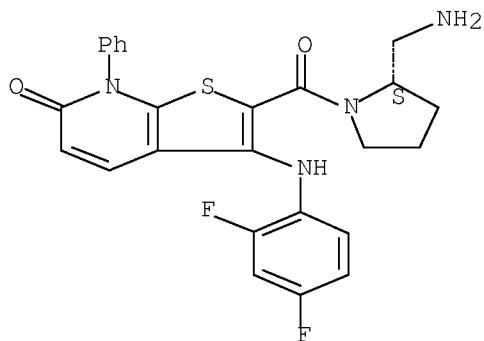
Absolute stereochemistry.



RN 816424-32-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.

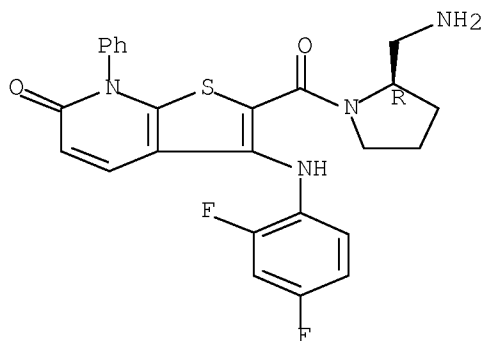


RN 816424-33-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2R)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

NAME)

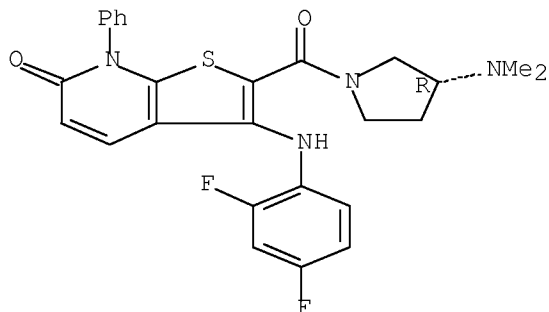
Absolute stereochemistry.



RN 816424-34-7 CAPLUS

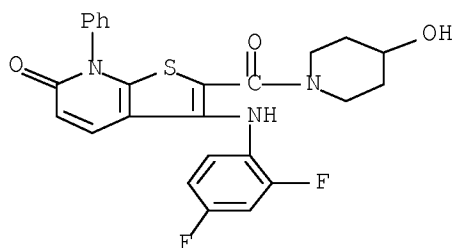
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



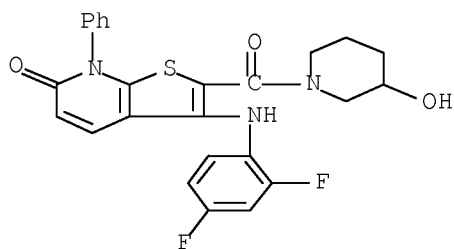
RN 816424-35-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-36-9 CAPLUS

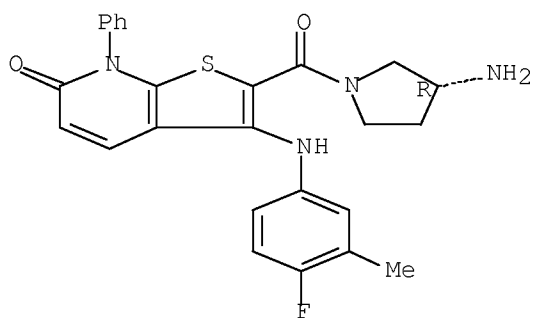
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-37-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

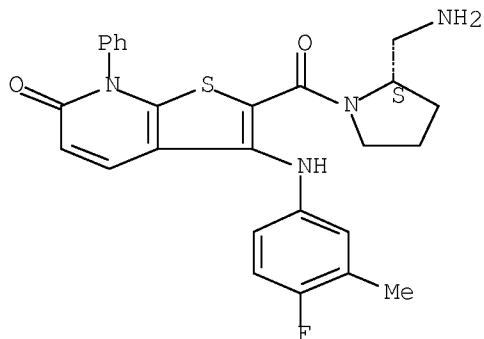
Absolute stereochemistry.



RN 816424-38-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

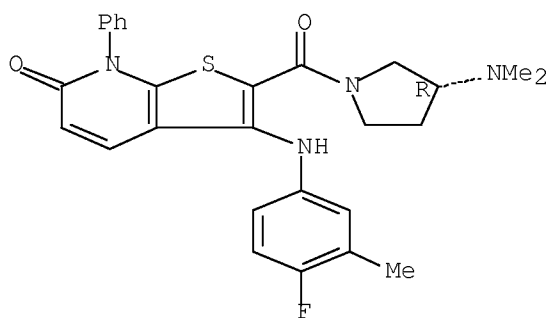
Absolute stereochemistry.



RN 816424-39-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

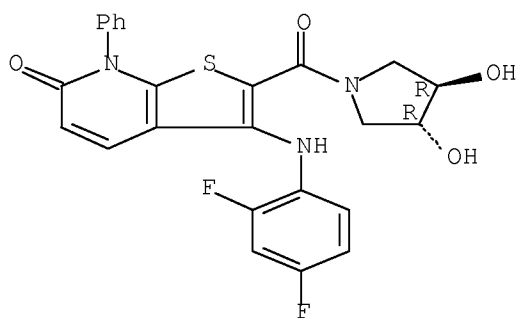
Absolute stereochemistry.



RN 816424-40-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R,4R)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

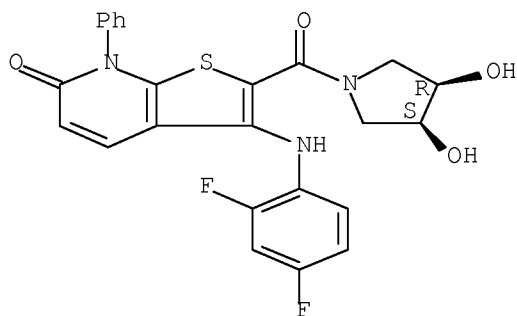
Absolute stereochemistry.



RN 816424-41-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl-, rel- (CA INDEX NAME)

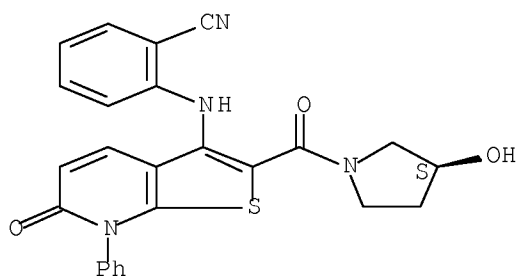
Relative stereochemistry.



RN 816424-42-7 CAPLUS

CN Benzonitrile, 2-[[6,7-dihydro-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

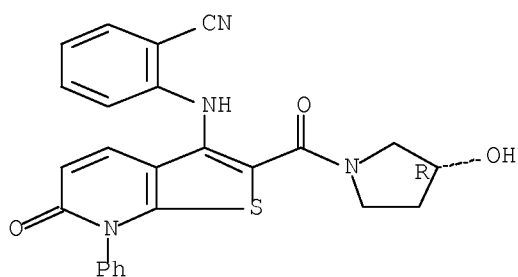
Absolute stereochemistry.



RN 816424-43-8 CAPLUS

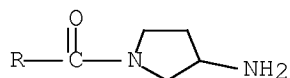
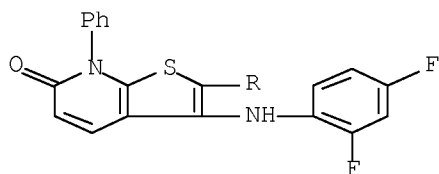
CN Benzonitrile, 2-[[6,7-dihydro-2-[[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]-2-cyano-1-phenylethan-1-yl]pyridin-3-yl]amino]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-44-9 CAPLUS

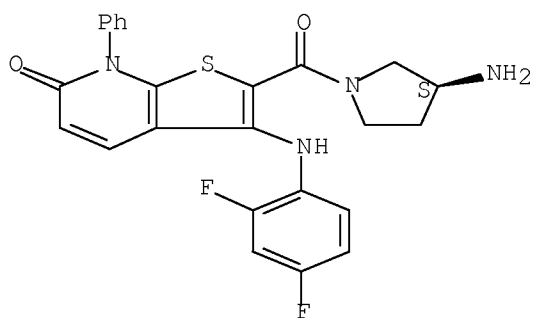
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-pyrrolidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



RN 816424-45-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

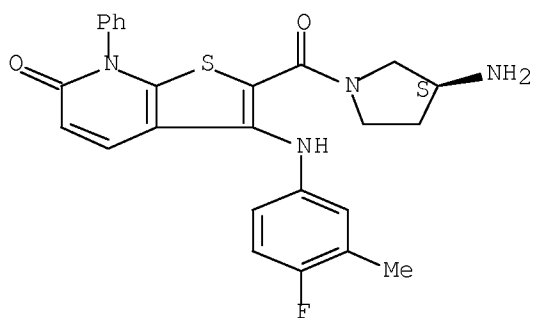
Absolute stereochemistry.



RN 816424-46-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

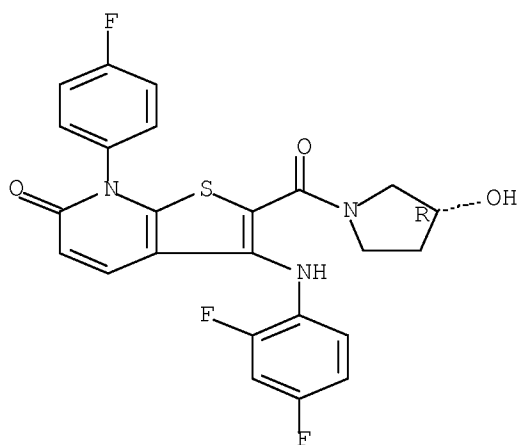
Absolute stereochemistry.



RN 816424-47-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

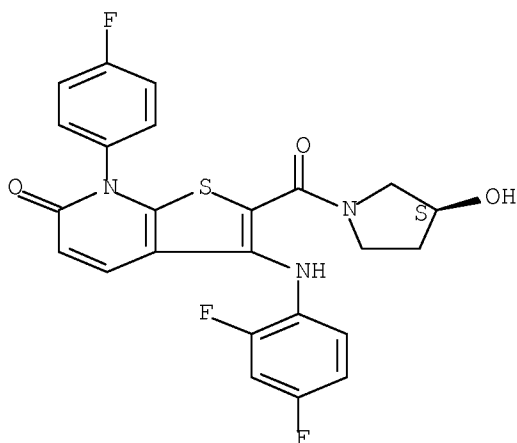


RN 816424-48-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-

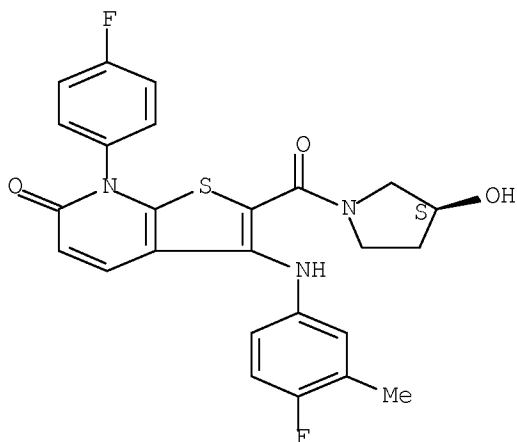
fluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



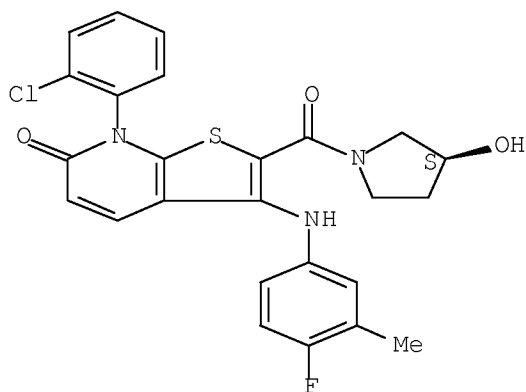
RN 816424-49-4 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-50-7 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

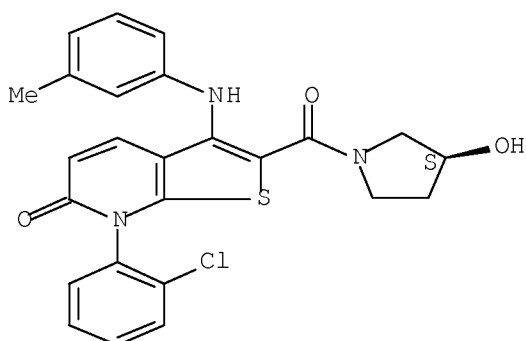
Absolute stereochemistry.



RN 816424-51-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

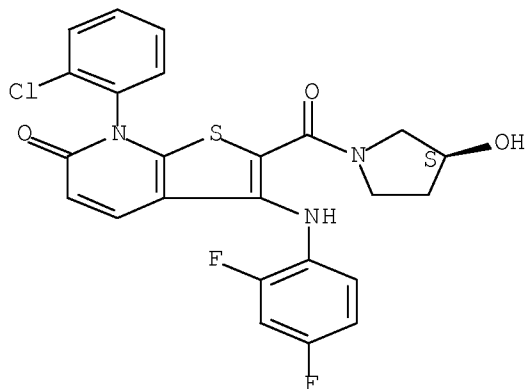
Absolute stereochemistry.



RN 816424-52-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

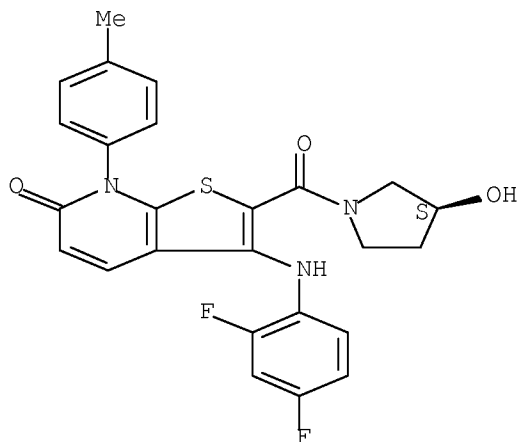
Absolute stereochemistry.



RN 816424-53-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

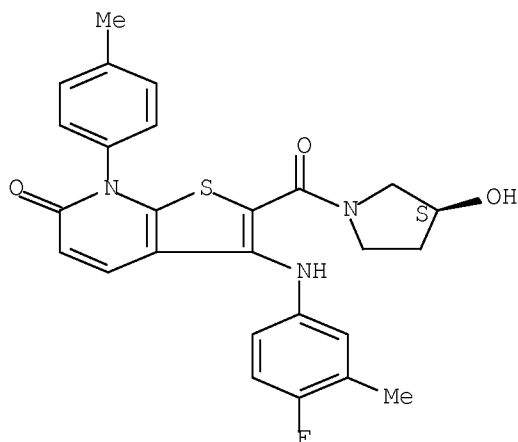
Absolute stereochemistry.



RN 816424-54-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

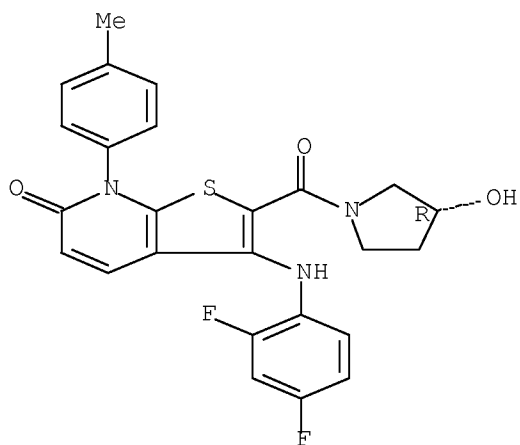
Absolute stereochemistry.



RN 816424-55-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

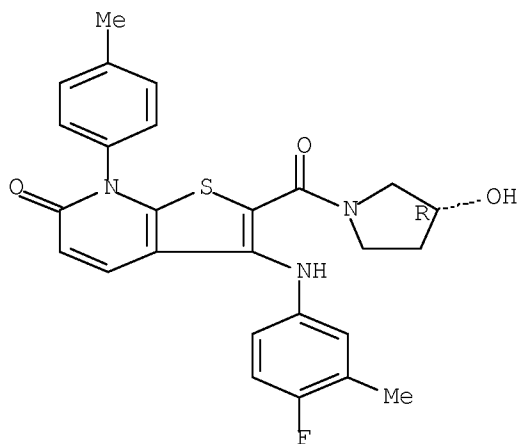
Absolute stereochemistry.



RN 816424-56-3 CAPLUS

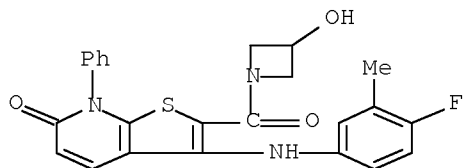
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



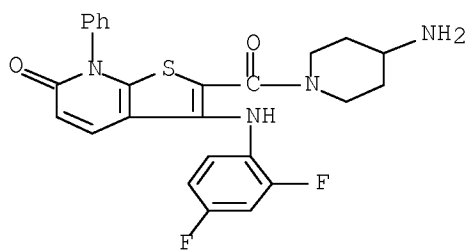
RN 816424-57-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3-hydroxy-1-pyrrolidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



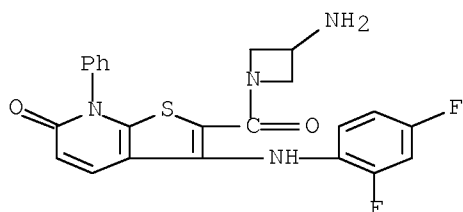
RN 816424-58-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-amino-1-piperidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



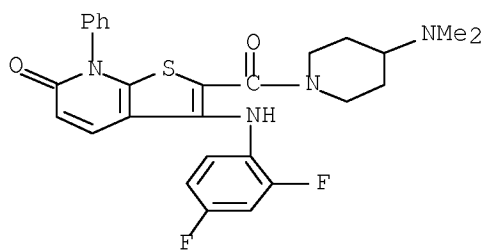
RN 816424-59-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-piperidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



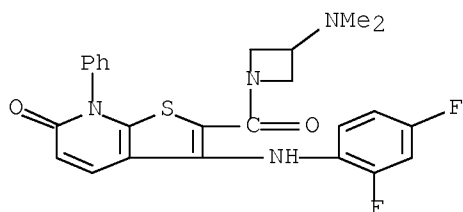
RN 816424-60-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[4-(dimethylamino)-1-piperidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



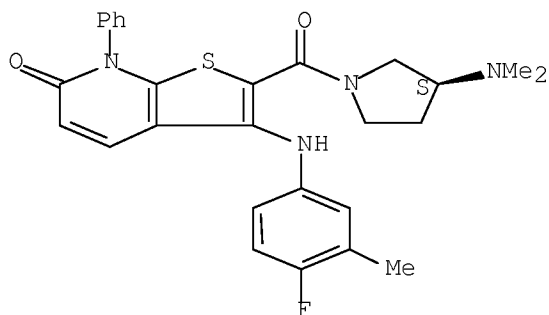
RN 816424-61-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[3-(dimethylamino)-1-piperidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



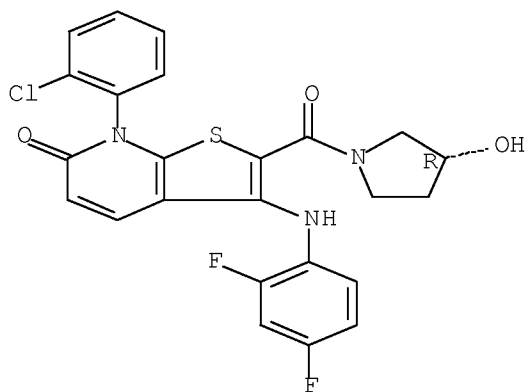
RN 816424-62-1 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



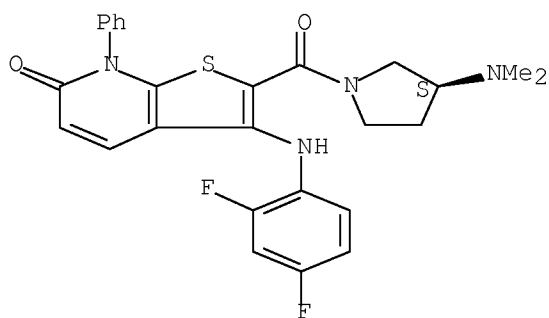
RN 816424-63-2 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816426-21-8 CAPLUS
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[(3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



IT 514182-52-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-13-3P, Ethyl 3-anilino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-14-4P, Ethyl 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-21-3P, Ethyl 3-[(3-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-22-4P, Ethyl 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-26-8P 639479-59-7P, Ethyl 3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-45-8P, Ethyl 3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-49-2P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(4-chlorophenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-50-5P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-51-6P, Ethyl 3-[(3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-50-8P, Ethyl 3-bromo-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-92-8P, Ethyl 3-bromo-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-93-9P, Ethyl 3-bromo-7-(4-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-94-0P, Ethyl 3-bromo-7-(3-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-02-3P 639482-11-4P 639504-79-3P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-73-2P, 3-Bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-64-3P, Ethyl 3-bromo-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P 816424-66-5P 816424-67-6P 816424-68-7P 816424-69-8P 816424-70-1P 816424-71-2P, 3-Bromo-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-72-3P, 3-Bromo-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-73-4P 816424-74-5P 816424-75-6P 816424-76-7P 816424-77-8P 816424-78-9P 816424-79-0P 816424-80-3P 816424-81-4P 816424-82-5P 816424-83-6P 816424-84-7P 816424-85-8P 816424-86-9P 816424-87-0P, 3-Bromo-7-(2-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-88-1P 816424-89-2P 816424-90-5P 816424-91-6P 816424-93-8P, Sodium 3-[(2-

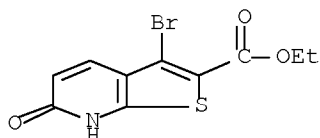
chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-94-9P 816424-95-0P
 816424-96-1P 816424-97-2P, Pentafluorophenyl
 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-98-3P, 3-Bromo-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonyl chloride 816424-99-4P
 816425-00-0P 816425-01-1P 816425-02-2P
 816425-03-3P 816425-04-4P 816425-05-5P
 816425-06-6P 816425-07-7P 816425-08-8P
 816425-09-9P 816425-10-2P 816425-11-3P
 816425-13-5P 816425-14-6P 816425-15-7P
 816425-16-8P 816425-17-9P 816425-18-0P
 816425-19-1P 816425-20-4P 816425-21-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridone derivs. as p38 α kinase inhibitors)

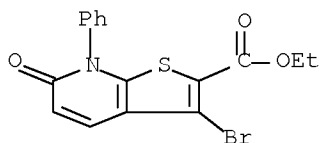
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



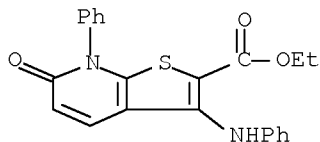
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



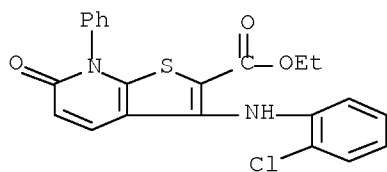
RN 639479-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



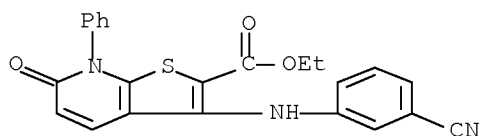
RN 639479-14-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



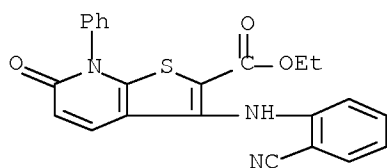
RN 639479-21-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



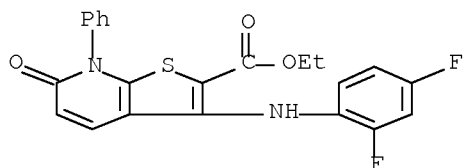
RN 639479-22-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



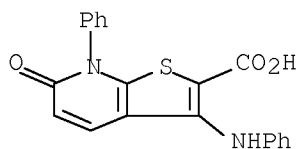
RN 639479-24-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



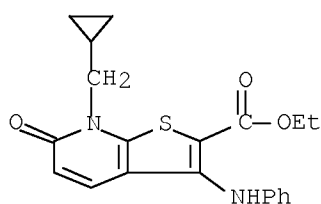
RN 639479-26-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



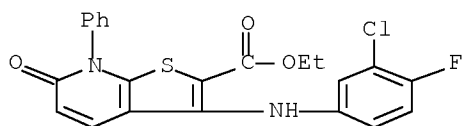
RN 639479-59-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



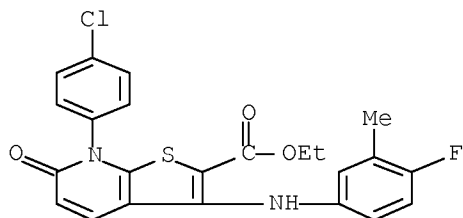
RN 639480-45-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



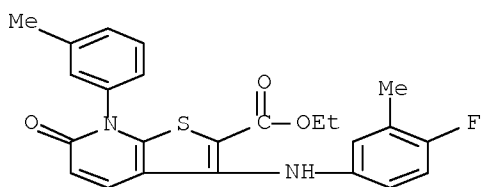
RN 639480-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



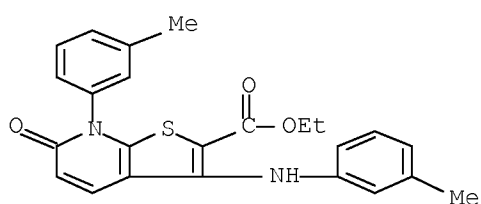
RN 639480-50-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



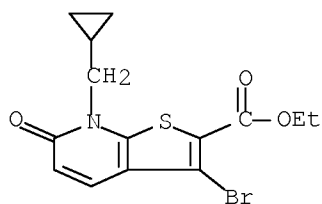
RN 639480-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl ester (CA INDEX NAME)



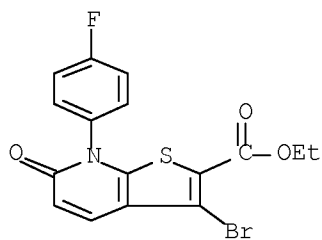
RN 639481-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



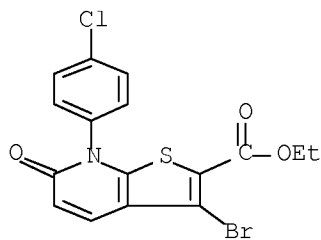
RN 639481-92-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



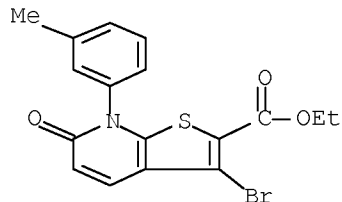
RN 639481-93-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-chlorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



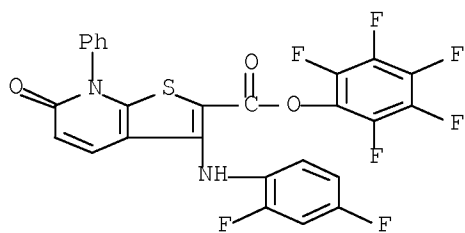
RN 639481-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



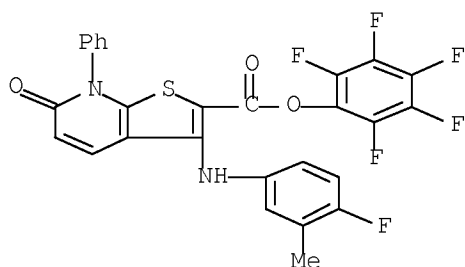
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



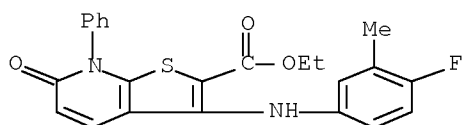
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



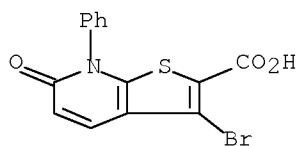
RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



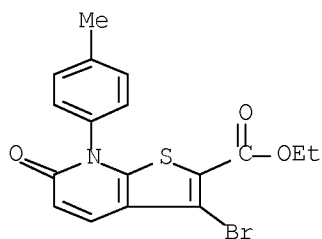
RN 660398-73-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



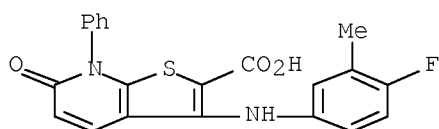
RN 816424-64-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 816424-65-4 CAPLUS

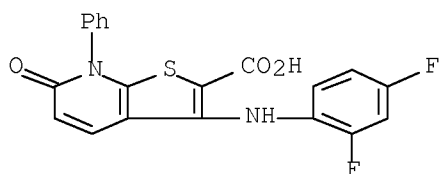
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-66-5 CAPLUS

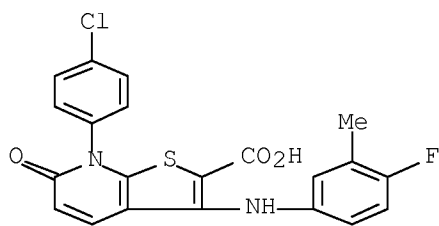
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-67-6 CAPLUS

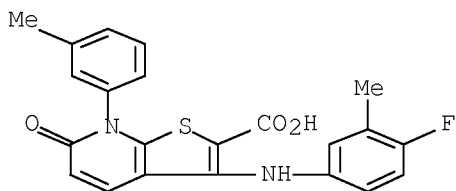
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-68-7 CAPLUS

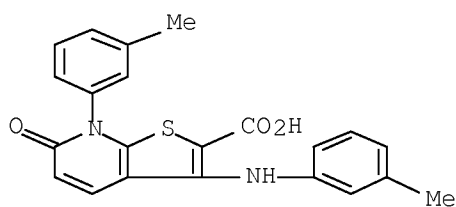
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-69-8 CAPLUS

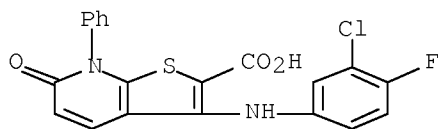
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-70-1 CAPLUS

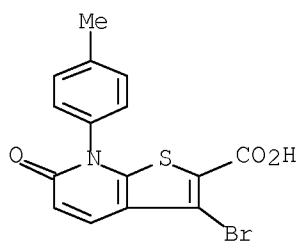
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium salt (1:1) (CA INDEX NAME)



● Na

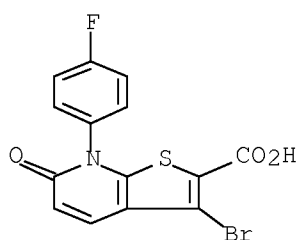
RN 816424-71-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



RN 816424-72-3 CAPLUS

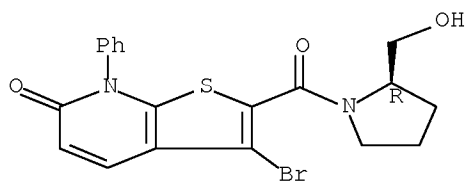
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 816424-73-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

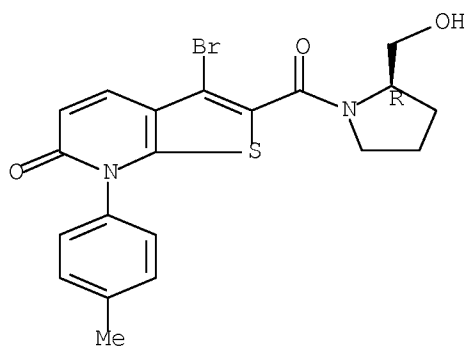
Absolute stereochemistry.



RN 816424-74-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

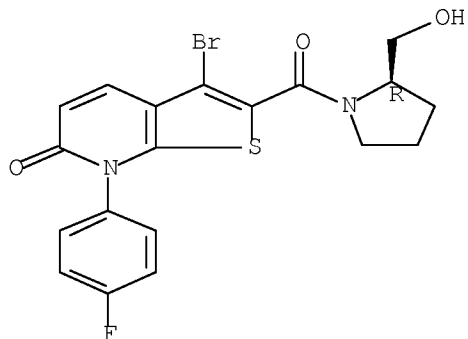
Absolute stereochemistry.



RN 816424-75-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[2-(2-(hydroxymethyl)-1-pyrrolidinyl)carbonyl]- (CA INDEX NAME)

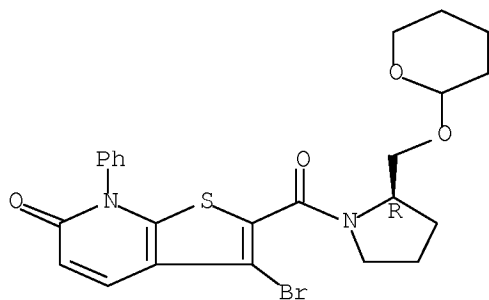
Absolute stereochemistry.



RN 816424-76-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-phenyl-2-[[2-[[2-(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

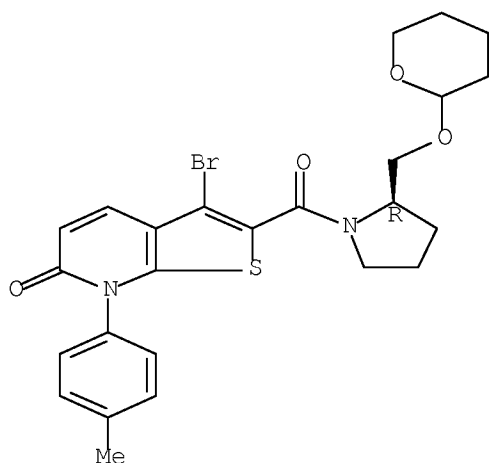
Absolute stereochemistry.



RN 816424-77-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-methylphenyl)-2-[[2-[[2-(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

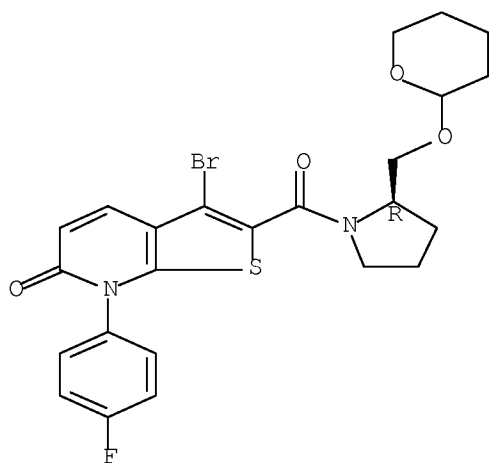
Absolute stereochemistry.



RN 816424-78-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

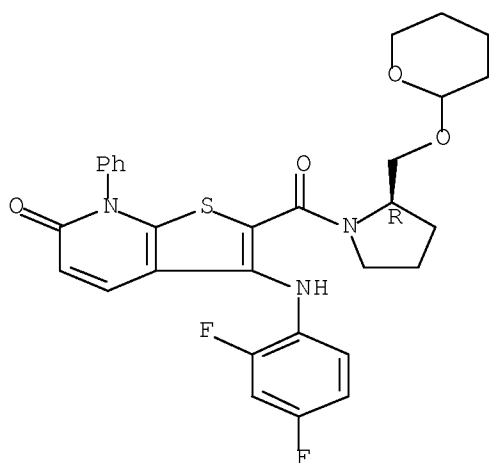
Absolute stereochemistry.



RN 816424-79-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

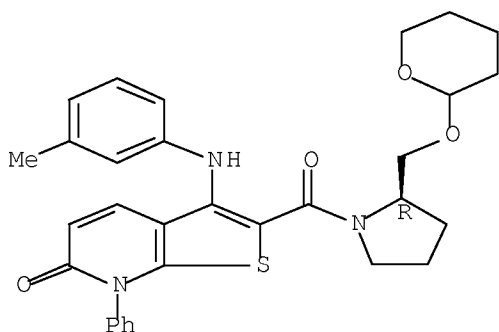
Absolute stereochemistry.



RN 816424-80-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-methylphenyl)amino]-7-phenyl-2-
[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-
(CA INDEX NAME)

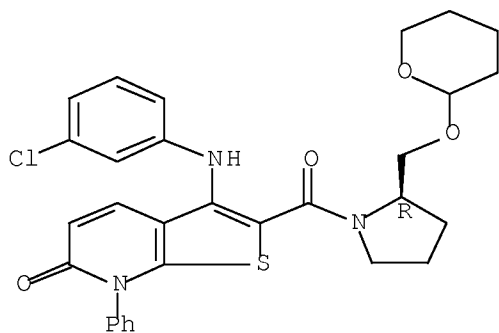
Absolute stereochemistry.



RN 816424-81-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-
[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-
(CA INDEX NAME)

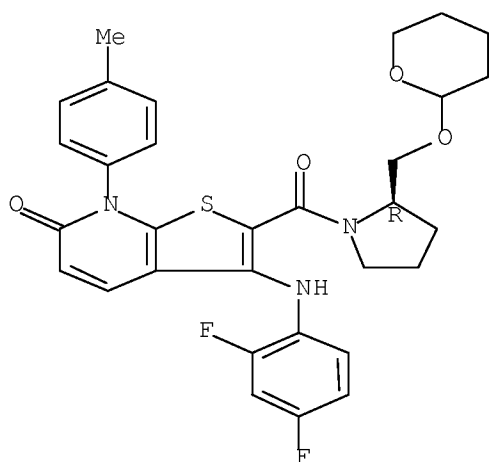
Absolute stereochemistry.



RN 816424-82-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-methylphenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

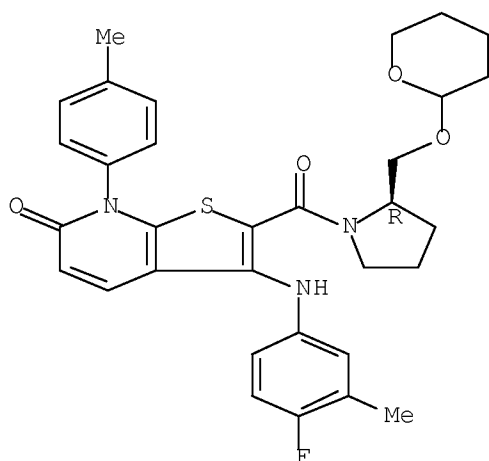
Absolute stereochemistry.



RN 816424-83-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-methylphenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

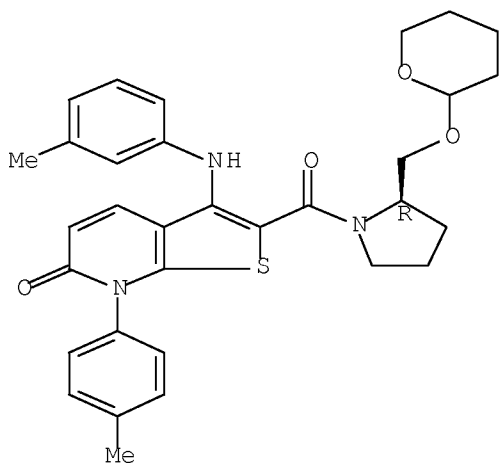
Absolute stereochemistry.



RN 816424-84-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

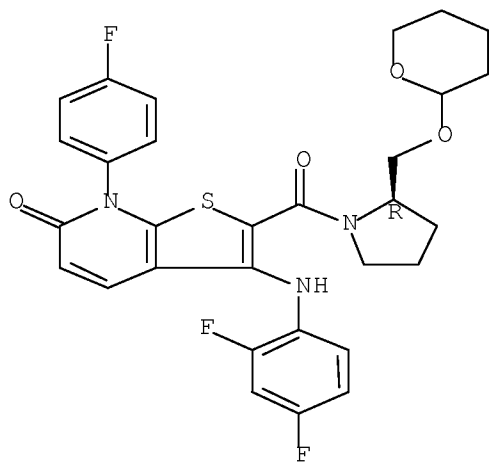
Absolute stereochemistry.



RN 816424-85-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

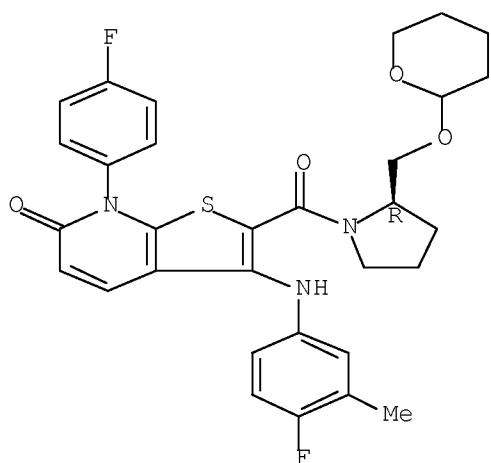
Absolute stereochemistry.



RN 816424-86-9 CAPLUS

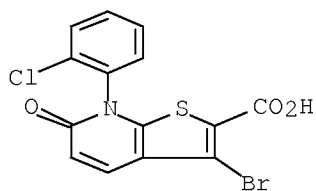
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-87-0 CAPLUS

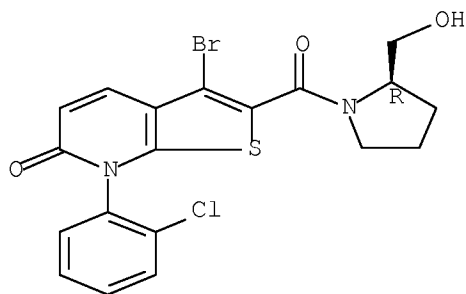
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(2-chlorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 816424-88-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

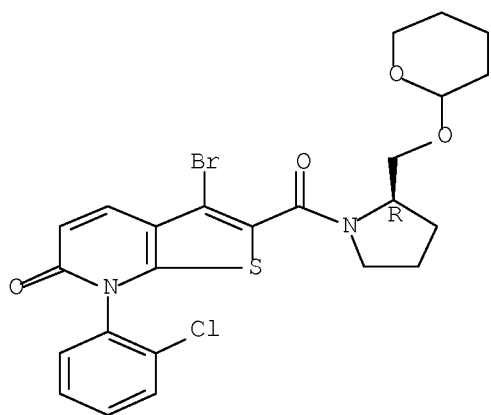
Absolute stereochemistry.



RN 816424-89-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

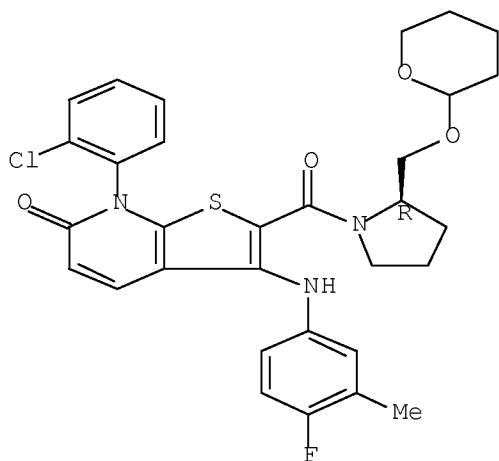
Absolute stereochemistry.



RN 816424-90-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

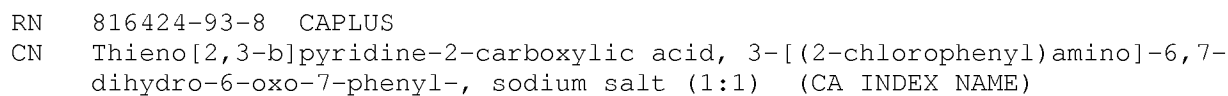
Absolute stereochemistry.



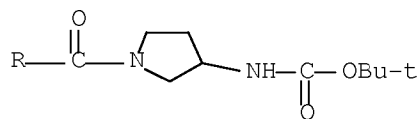
RN 816424-91-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(2R)-2-[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



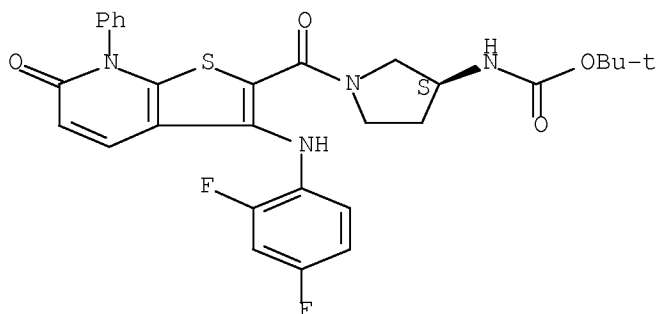
RN	816424-94-9	CAPLUS
CN	Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)	



RN 816424-95-0 CAPLUS
CN Carbamic acid, [(3S)-1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-,

1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

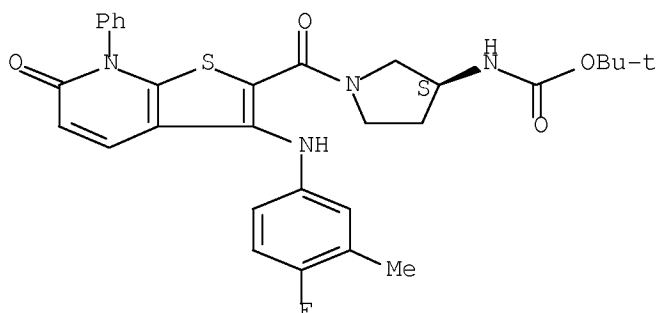
Absolute stereochemistry.



RN 816424-96-1 CAPLUS

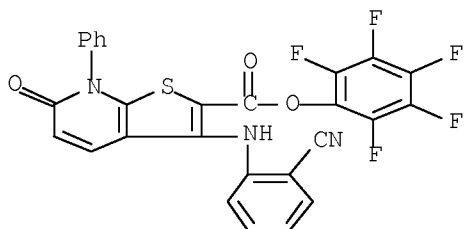
CN Carbamic acid, [(3S)-1-[[3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



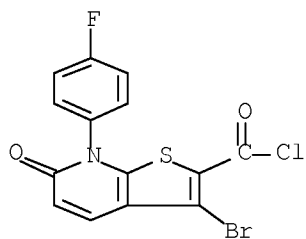
RN 816424-97-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 816424-98-3 CAPLUS

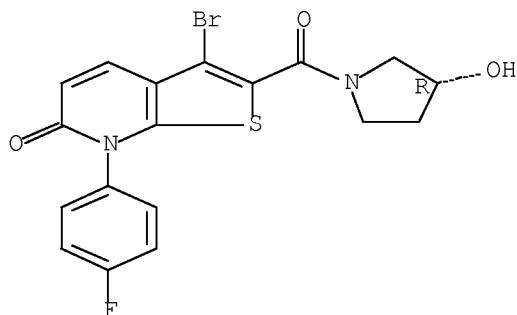
CN Thieno[2,3-b]pyridine-2-carbonyl chloride, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 816424-99-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

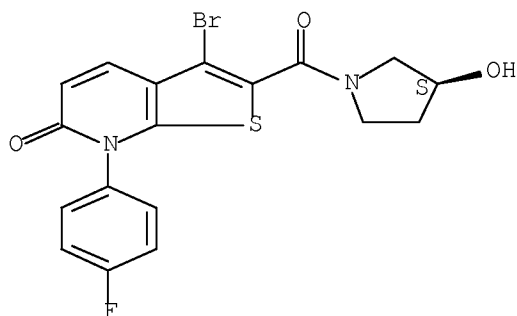
Absolute stereochemistry.



RN 816425-00-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

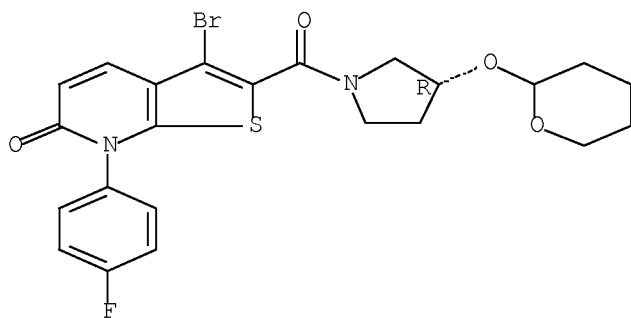
Absolute stereochemistry.



RN 816425-01-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

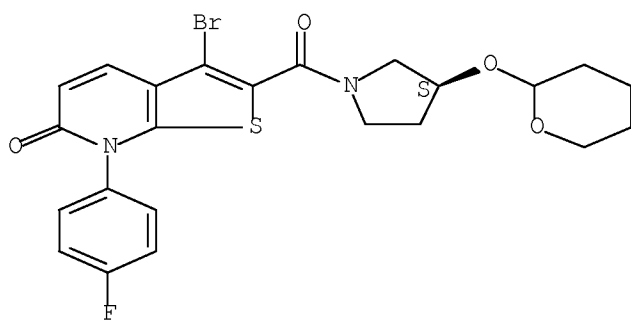
Absolute stereochemistry.



RN 816425-02-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

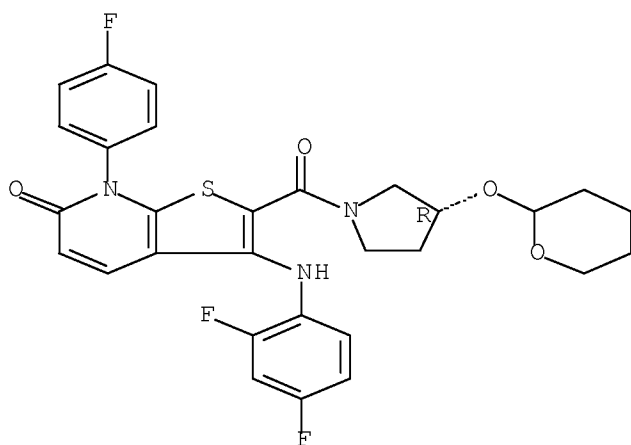
Absolute stereochemistry.



RN 816425-03-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

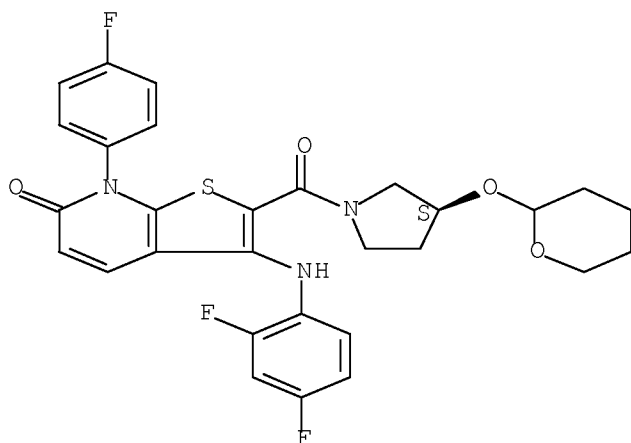


RN 816425-04-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-

fluorophenyl)-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

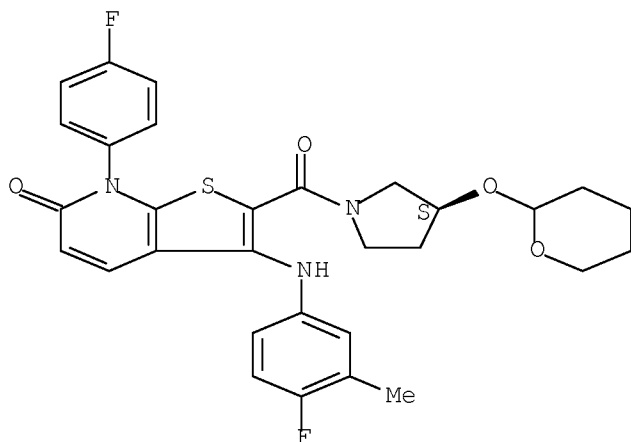
Absolute stereochemistry.



RN 816425-05-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluorophenyl)amino]-7-(4-fluorophenyl)-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

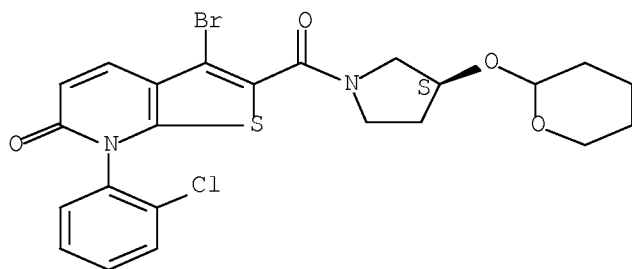
Absolute stereochemistry.



RN 816425-06-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

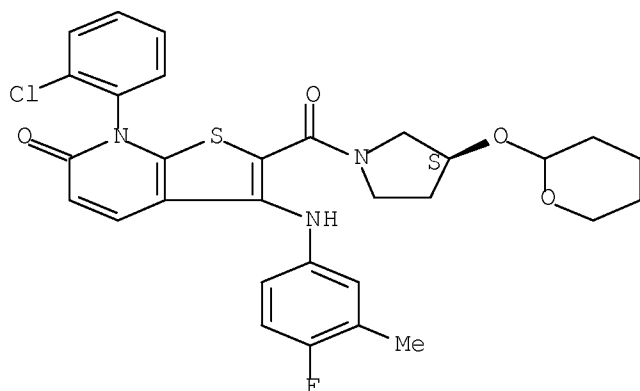
Absolute stereochemistry.



RN 816425-07-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

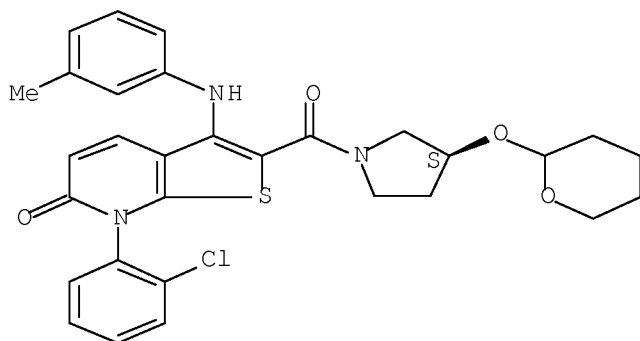
Absolute stereochemistry.



RN 816425-08-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(3-methylphenyl)amino]-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

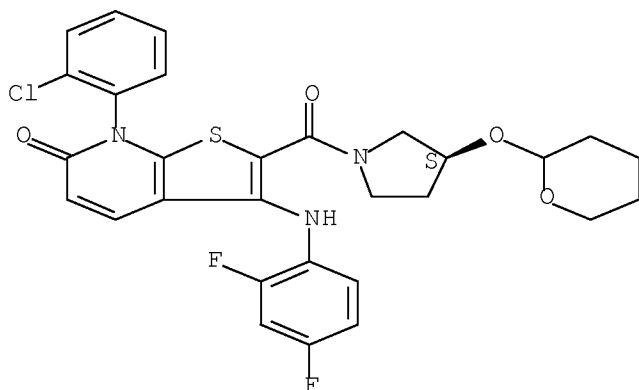


RN 816425-09-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-

difluorophenyl)amino]-2-[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

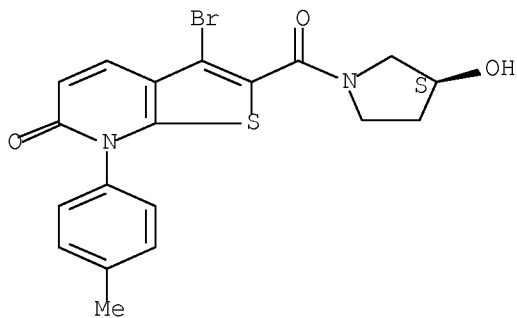
Absolute stereochemistry.



RN 816425-10-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

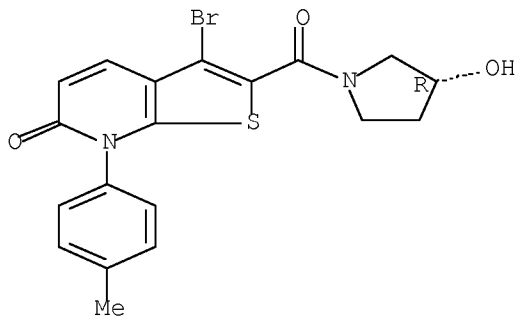
Absolute stereochemistry.



RN 816425-11-3 CAPLUS

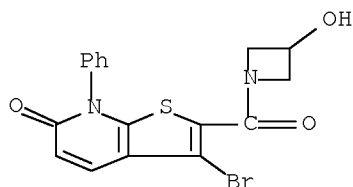
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



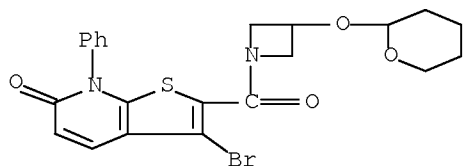
RN 816425-13-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[(3-hydroxy-1-azetidiny)carbonyl]-7-phenyl- (CA INDEX NAME)



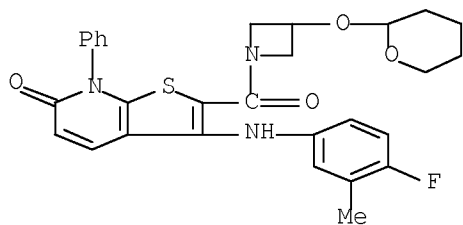
RN 816425-14-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-phenyl-2-[[3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-azetidiny]carbonyl]- (CA INDEX NAME)



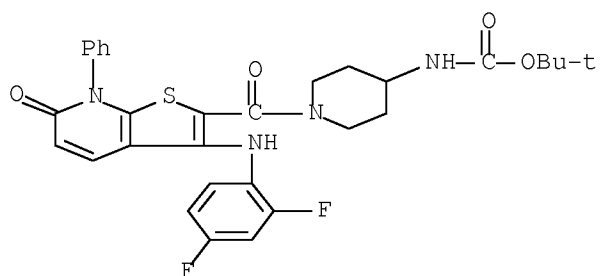
RN 816425-15-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[[3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-azetidiny]carbonyl]- (CA INDEX NAME)



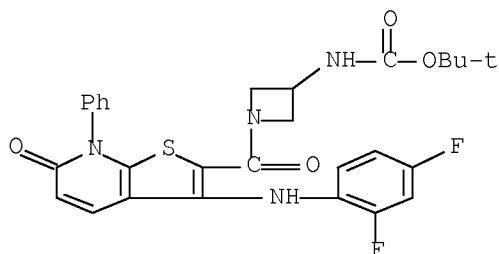
RN 816425-16-8 CAPLUS

CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-17-9 CAPLUS

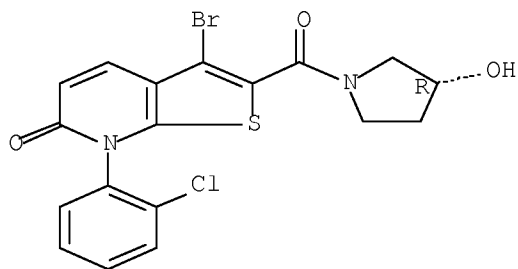
CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-azetidiny]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-18-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

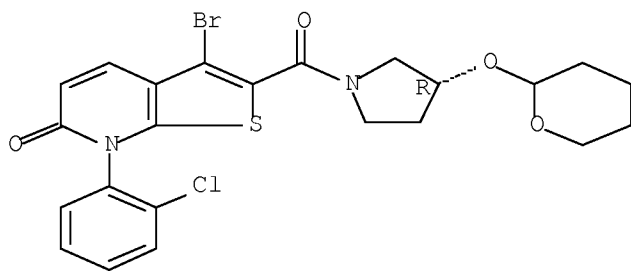
Absolute stereochemistry.



RN 816425-19-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

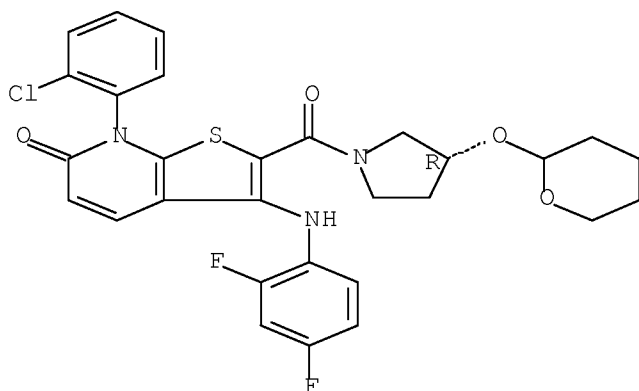
Absolute stereochemistry.



RN 816425-20-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

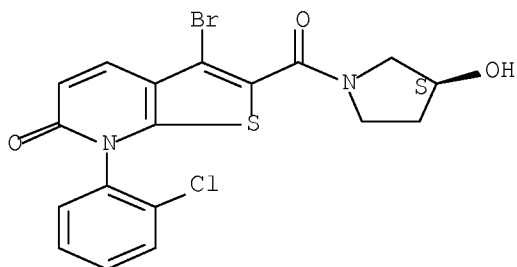
Absolute stereochemistry.



RN 816425-21-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

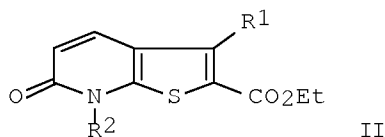
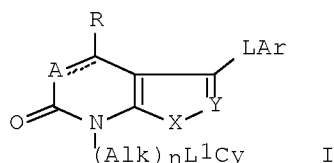
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THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:143162 CAPLUS Full-text

DOCUMENT NUMBER: 140:181432
 TITLE: Preparation of bicyclic heteroaromatic compounds as p38 kinase inhibitors
 INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 75 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004014920	A1	20040219	WO 2003-GB3501	20030811
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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EP 1539769	A1	20050615	EP 2003-784288	20030811
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JP 2005537300	T	20051208	JP 2004-527055	20030811
US 20060025428	A1	20060202	US 2005-524199	20050728
PRIORITY APPLN. INFO.:			GB 2002-18800	A 20020813
			WO 2003-GB3501	W 20030811
OTHER SOURCE(S):			MARPAT 140:181432	
GI				



AB Title compds. I [A = N, (un)substituted CH, dashed line is a double bond; A = (un)substituted NH, CH₂, dashed line is a single bond; X = O, S, (un)substituted NH, S(O), SO₂; Y = N, (un)substituted CH; Alk = (un)substituted aliphatic, heteroaliph.; n = 0, 1; Ar = (un)substituted aromatic, heteroarom.; L = atom, alkylene, heteroalkylene; L1 = bond, linker atom, linker group; Cy = H, (un)substituted cycloaliph, polycycloaliph., heterocyclic, polyheterocyclic, aromatic, heteroarom.; R = H, CN, (un)substituted alkyl, CO₂H, CONH₂], especially 6-oxo-6,7-dihydrothieno[2,3-

b]pyridine derivs., which are inhibitors of p38 kinase of use in the treatment and/or prevention of immune or inflammatory disorders (no data) were prepared Thus, II [R1 = NHCH2Ph, r2 = Ph] was prepared from 2-chloronicotinonitrile and HSCH2CO2Et via II [R1 = Br, R2 = H] by treatment with PhB(OH)2 and PhCH2NH2.

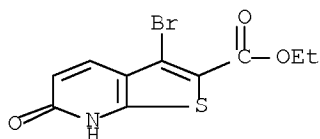
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660398-75-4F

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of bicyclic heteroarom. compds. as p38 kinase inhibitors)

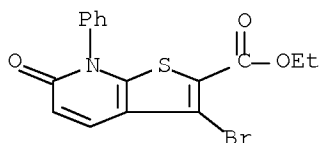
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



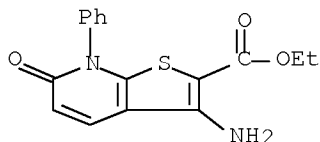
RN 514182-57-1 CAPLUS

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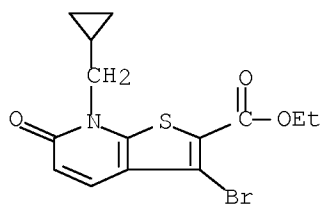
RN 639481-34-8 CAPLUS

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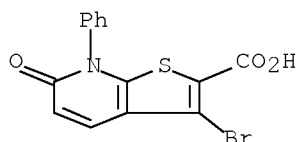
RN 639481-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



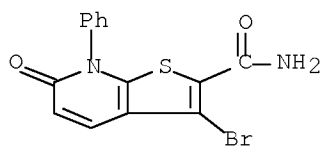
RN 660398-73-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



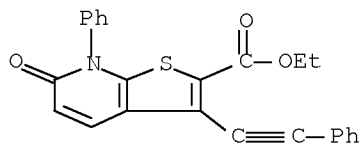
RN 660398-74-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-bromo-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 660398-75-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(2-phenylethynyl)-, ethyl ester (CA INDEX NAME)



IT 660398-49-2P 660398-50-5P 660398-51-6P

660398-52-7P 660398-53-8P 660398-54-9P

660398-55-0P 660398-56-1P 660398-58-3P

660398-59-4P 660398-60-7P 660398-61-8P

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660398-65-2P 660398-68-5P 660398-69-6P

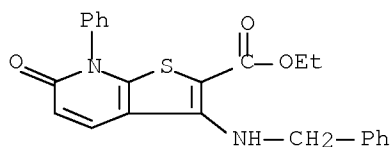
660398-70-9P 660398-71-0P 660398-72-1P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of bicyclic heteroarom. compds. as p38 kinase inhibitors)

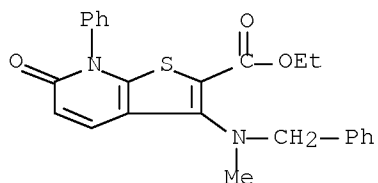
RN 660398-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(phenylmethyl)amino]-, ethyl ester (CA INDEX NAME)



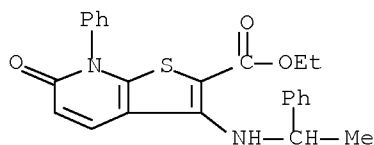
RN 660398-50-5 CAPLUS

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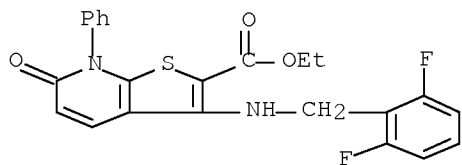
RN 660398-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(1-phenylethyl)amino]-, ethyl ester (CA INDEX NAME)



RN 660398-52-7 CAPLUS

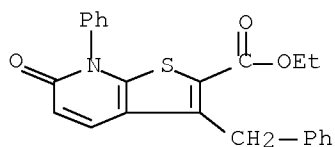
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[[2,6-difluorophenyl)methyl]amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 660398-53-8 CAPLUS

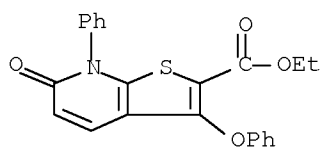
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-

(phenylmethyl)-, ethyl ester (CA INDEX NAME)



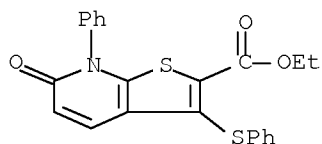
RN 660398-54-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenoxymethyl-7-phenyl-, ethyl ester (CA INDEX NAME)



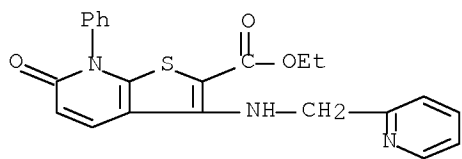
RN 660398-55-0 CAPLUS

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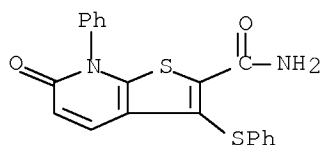
RN 660398-56-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(2-pyridinylmethyl)amino]-, ethyl ester (CA INDEX NAME)



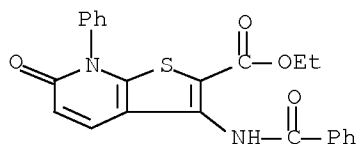
RN 660398-58-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylthio)- (CA INDEX NAME)



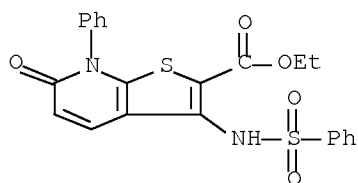
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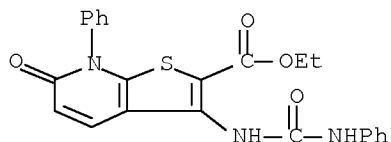
RN 660398-60-7 CAPLUS

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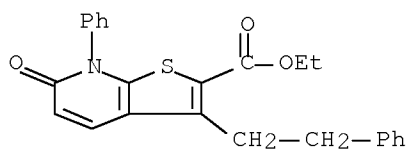
RN 660398-61-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[[(phenylamino)carbonyl]amino]-, ethyl ester (CA INDEX NAME)

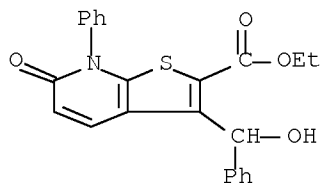


RN 660398-62-9 CAPLUS

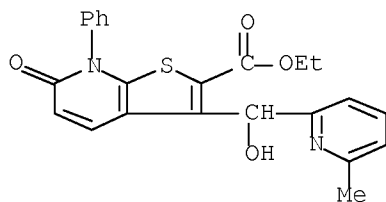
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(2-phenylethyl)-, ethyl ester (CA INDEX NAME)



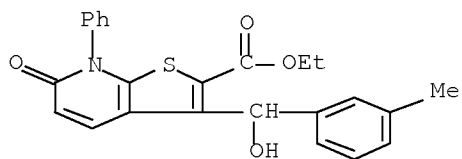
RN 660398-63-0 CAPLUS
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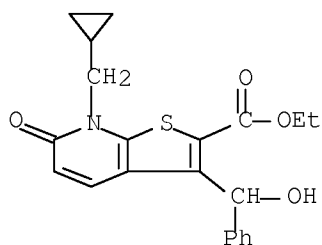
RN 660398-64-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy(6-methyl-2-pyridinyl)methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 660398-65-2 CAPLUS
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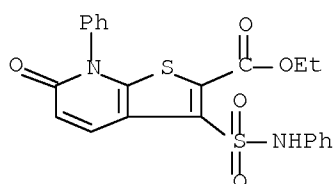


RN 660398-68-5 CAPLUS
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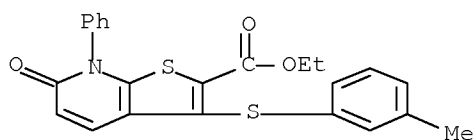
RN 660398-69-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(phenylamino)sulfonyl]-, ethyl ester (CA INDEX NAME)



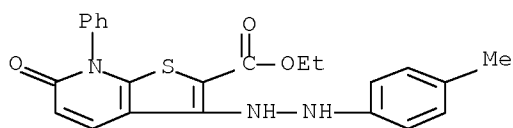
RN 660398-70-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)thio]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



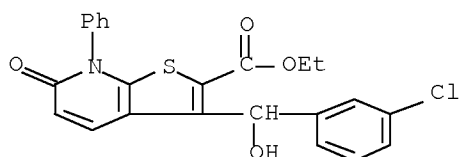
RN 660398-71-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[2-(4-methylphenyl)hydrazinyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 660398-72-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)hydroxymethyl]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)

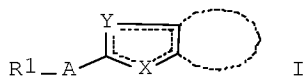


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:142958 CAPLUS Full-text
 DOCUMENT NUMBER: 140:193096
 TITLE: Fused bicyclic metalloproteinase inhibitors,
 pharmaceutical compositions, and therapeutic use
 INVENTOR(S): Wilson, Michael William
 PATENT ASSIGNEE(S): Warner-Lambert Company LLC, USA
 SOURCE: PCT Int. Appl., 102 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004014375	A2	20040219	WO 2003-IB3523	20030804
WO 2004014375	A3	20040603		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2003249540 A1 20040225 AU 2003-249540 20030804 PRIORITY APPLN. INFO.: US 2002-403008P P 20020813 WO 2003-IB3523 W 20030804				

OTHER SOURCE(S): MARPAT 140:193096
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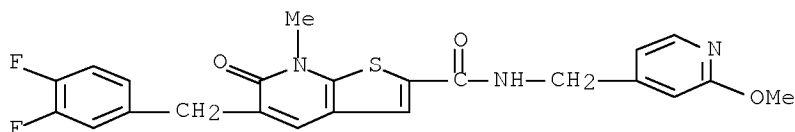


AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer and other disorders.
 IT 660815-79-2 660815-80-5 660815-81-6

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(fused bicyclic metalloproteinase inhibitors, pharmaceutical compns.,
and therapeutic use)

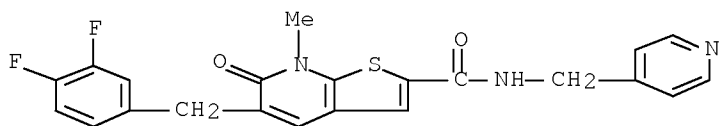
RN 660815-79-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-
dihydro-N-[(2-methoxy-4-pyridinyl)methyl]-7-methyl-6-oxo- (CA INDEX NAME)



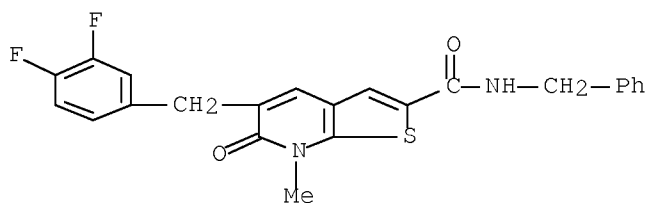
RN 660815-80-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-
dihydro-7-methyl-6-oxo-N-(4-pyridinylmethyl)- (CA INDEX NAME)



RN 660815-81-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-
dihydro-7-methyl-6-oxo-N-(phenylmethyl)- (CA INDEX NAME)



L16 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:142808 CAPLUS Full-text

DOCUMENT NUMBER: 140:193094

TITLE: Fused bicyclic metalloproteinase inhibitors,
pharmaceutical compositions, and therapeutic use

INVENTOR(S): Wilson, Michael William

PATENT ASSIGNEE(S): Warner-Lambert Company, USA

SOURCE: U.S. Pat. Appl. Publ., 41 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

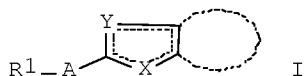
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040034054	A1	20040219	US 2003-634162	20030805
US 6949651	B2	20050927		

PRIORITY APPLN. INFO.: US 2002-403008P P 20020813
 OTHER SOURCE(S): MARPAT 140:193094
 GI



AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer, and other disorders.

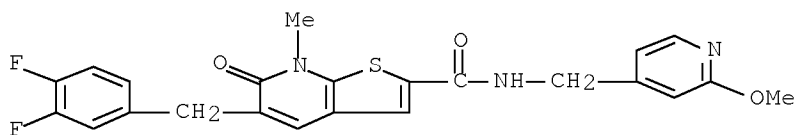
IT 660815-79-2 660815-80-5 660815-81-6

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(fused bicyclic metalloproteinase inhibitors, pharmaceutical compns., and therapeutic use)

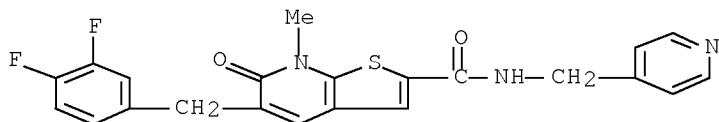
RN 660815-79-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-N-[(2-methoxy-4-pyridinyl)methyl]-7-methyl-6-oxo- (CA INDEX NAME)



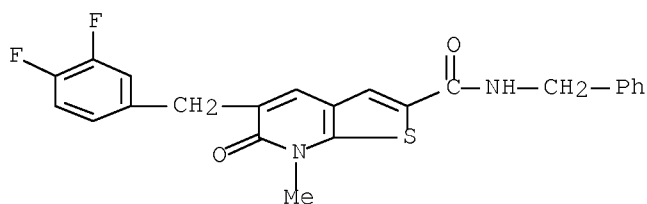
RN 660815-80-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(4-pyridinylmethyl)- (CA INDEX NAME)



RN 660815-81-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(phenylmethyl)- (CA INDEX NAME)



12 of

REFERENCE COUNT: 85 THERE ARE 85 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:2888 CAPLUS Full-text

DOCUMENT NUMBER: 140:59658

TITLE: Preparation of arylamine substituted bicyclic hetero-aromatic compounds as p38 kinase inhibitors

INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 174 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

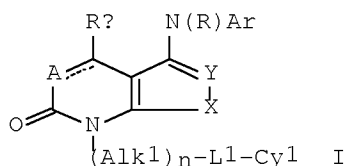
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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WO 2004000846	A1	20031231	WO 2003-GB2667	20030620
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2003253087	A1	20040106	AU 2003-253087	20030620
BR 2003011842	A	20050315	BR 2003-11842	20030620
EP 1551848	A1	20050713	EP 2003-760802	20030620
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CN 1671715	A	20050921	CN 2003-818371	20030620
JP 2005530838	T	20051013	JP 2004-515043	20030620
NZ 537740	A	20060331	NZ 2003-537740	20030620
MX 2004PA12746	A	20050323	MX 2004-PA12746	20041215
NO 2005000306	A	20050316	NO 2005-306	20050119
ZA 2005000524	A	20060830	ZA 2005-524	20050119
US 20060004025	A1	20060105	US 2005-518725	20050526
PRIORITY APPLN. INFO.:			GB 2002-14268	A 20020620
			WO 2003-GB2667	W 20030620

OTHER SOURCE(S): MARPAT 140:59658

GI



AB Bicyclic heteroarom. derivs. I; where the dashed line joining A and C(Ra) is present and represents a bond and A is a -N= atom or a -C(Rb)= group, or the dashed line is absent and A is a -N(Rb)-, or -C(Rb)(Rc)- group; X is an -O-, -S- or substituted nitrogen atom or a -S(O)-, -S(O₂)- or -NH- group; Y is a nitrogen or substituted carbon atom or a -CH = group; n is zero or the integer 1; Alkl is an optionally substituted aliphatic or hetero-aliphatic chain L1 is a covalent bond or a linker atom or group; Cyl is a hydrogen atom or an optionally substituted cyclo-aliphatic, poly-cyclo-aliphatic, hetero-cyclo-aliphatic, poly-hetero-cyclo-aliphatic, aromatic or hetero-aromatic group; Ar is an optionally substituted aromatic or heteroarom. group; and the remaining substituents are defined in the specification. The compds. are potent and selective inhibitors of p38 kinase and are of use in the prophylaxis and treatment of immune or inflammatory disorders. Thus, 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-pyrrolidin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide was prepared as p38 kinase inhibitor. In the p38 inhibitor assays described above compds. of the invention have IC₅₀ values of around 1 μM and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38α kinase.

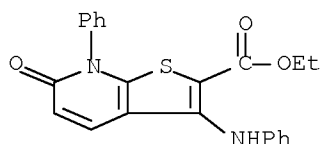
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 639480-48-1P

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of arylamine substituted bicyclic hetero-aromatic compds. as p38 kinase inhibitors)

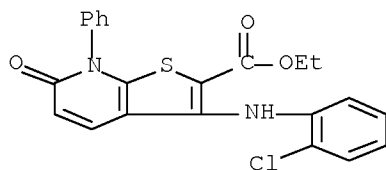
RN 639479-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



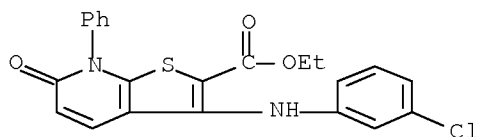
RN 639479-14-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



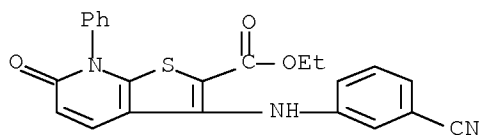
RN 639479-15-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



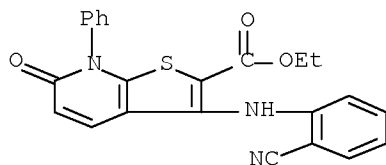
RN 639479-21-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-22-4 CAPLUS

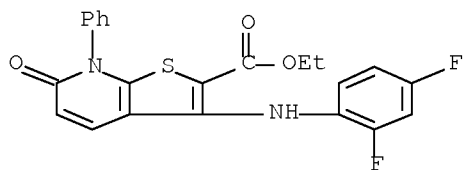
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-24-6 CAPLUS

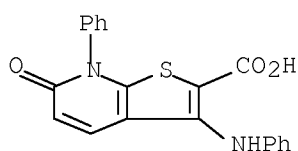
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-

dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



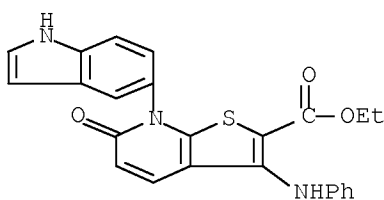
RN 639479-26-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



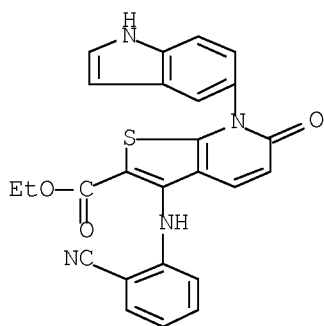
RN 639479-52-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



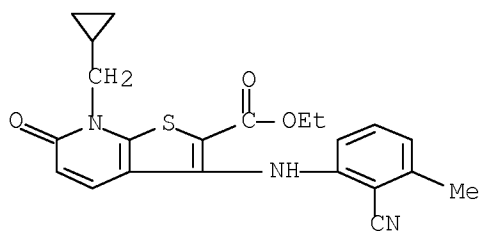
RN 639479-54-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



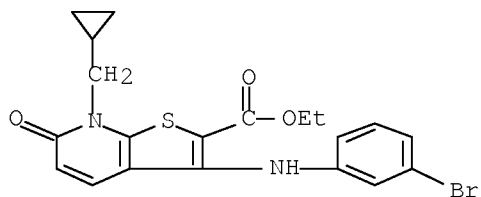
RN 639479-74-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



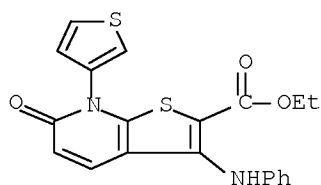
RN 639479-78-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



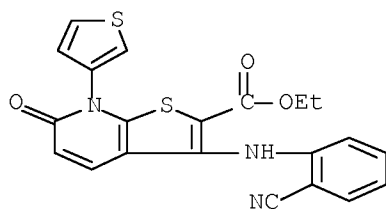
RN 639479-80-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



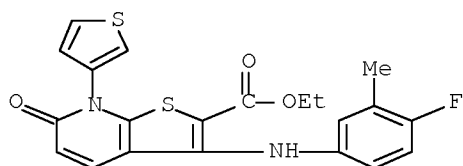
RN 639479-82-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



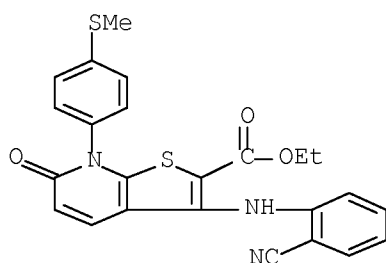
RN 639479-84-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



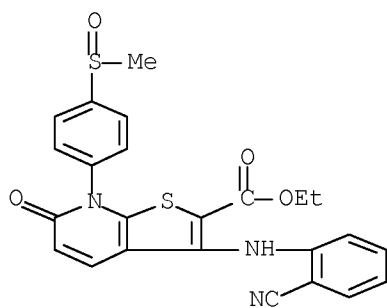
RN 639479-93-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



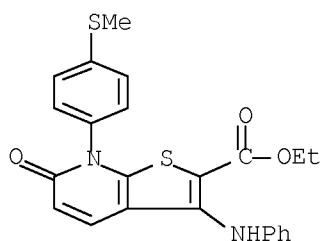
RN 639479-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



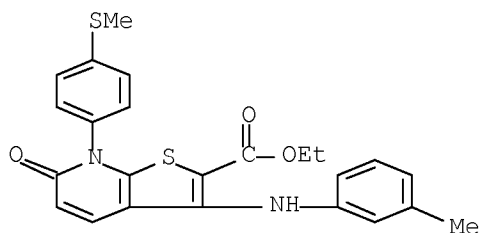
RN 639479-96-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



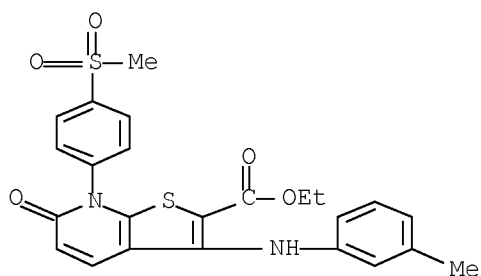
RN 639479-98-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



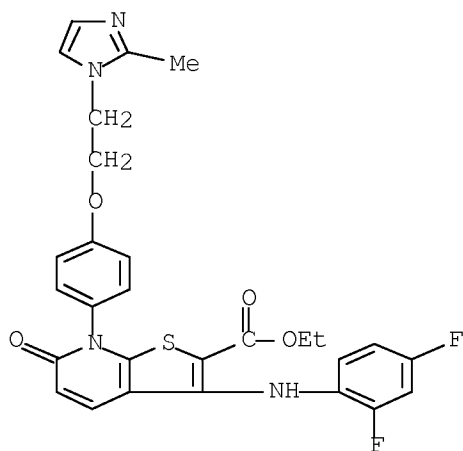
RN 639479-99-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



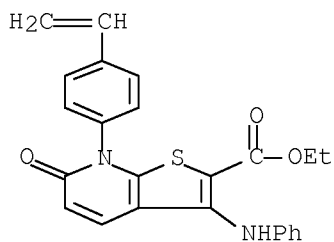
RN 639480-02-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



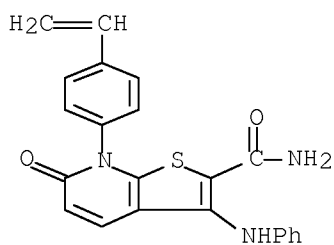
RN 639480-05-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



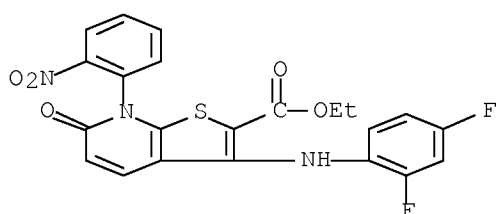
RN 639480-06-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



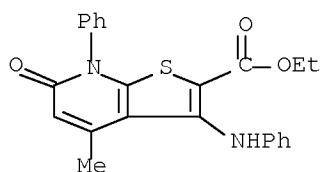
RN 639480-10-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



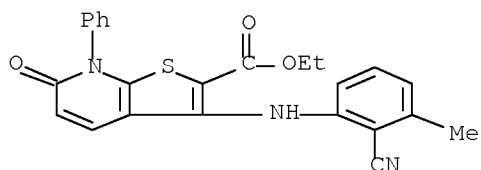
RN 639480-12-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



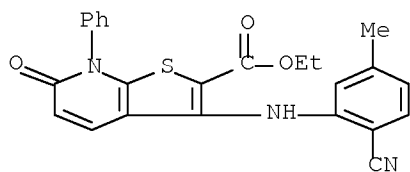
RN 639480-41-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



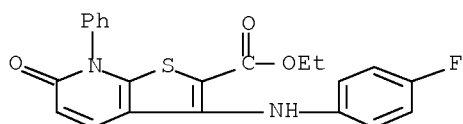
RN 639480-42-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



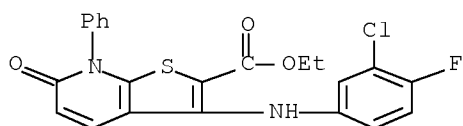
RN 639480-43-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



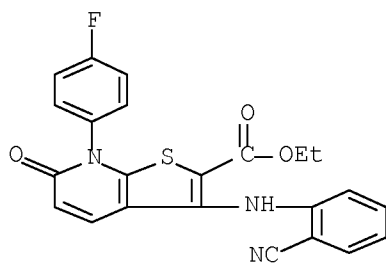
RN 639480-45-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



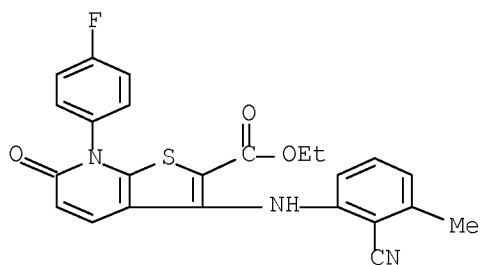
RN 639480-46-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



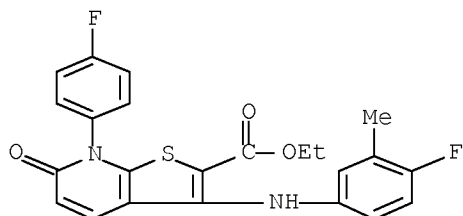
RN 639480-47-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639480-48-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester
(CA INDEX NAME)



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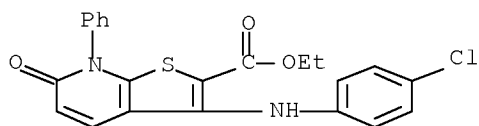
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RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN
 (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);
 PREP (Preparation); USES (Uses)

(preparation of arylamine substituted bicyclic hetero-aromatic compds. as
 p38 kinase inhibitors)

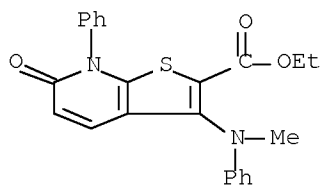
RN 639479-16-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-chlorophenyl)amino]-6,7-
 dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



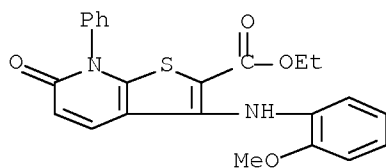
RN 639479-17-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(methylphenylamino)-
 6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



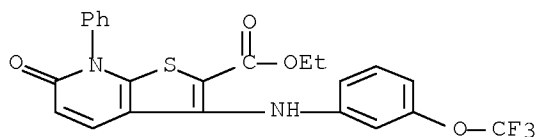
RN 639479-18-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(2-
 methoxyphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



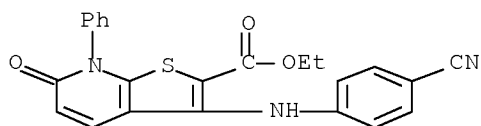
RN 639479-19-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethoxy)phenyl]amino]-, ethyl ester (CA INDEX NAME)



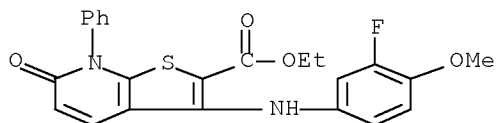
RN 639479-20-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



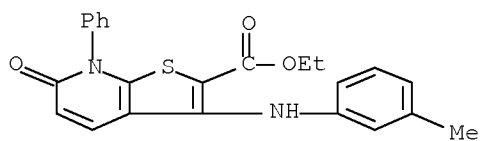
RN 639479-23-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-fluoro-4-methoxyphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



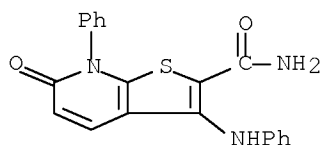
RN 639479-25-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



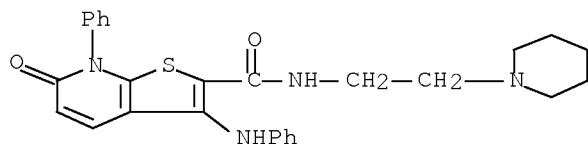
RN 639479-29-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



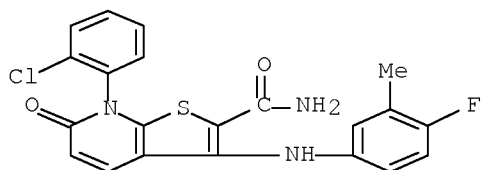
RN 639479-30-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-N-[2-(1-piperidiny)ethyl]- (CA INDEX NAME)



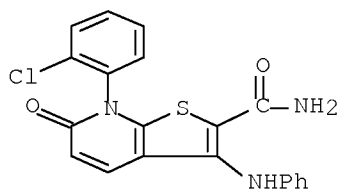
RN 639479-37-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



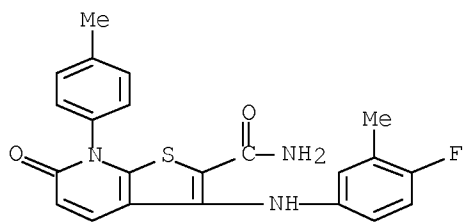
RN 639479-39-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



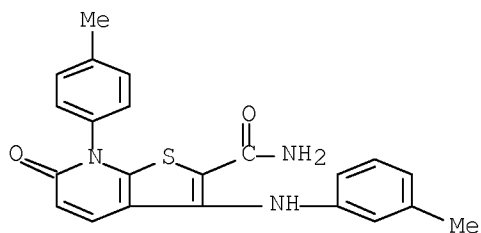
RN 639479-40-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



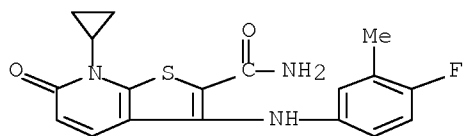
RN 639479-42-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



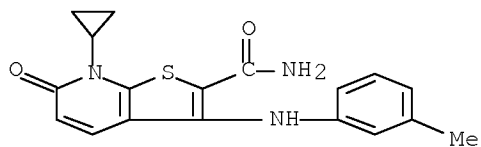
RN 639479-44-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



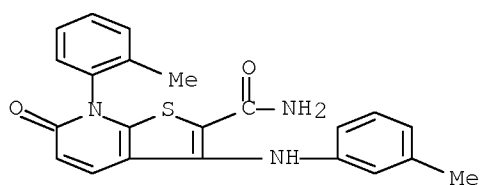
RN 639479-46-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



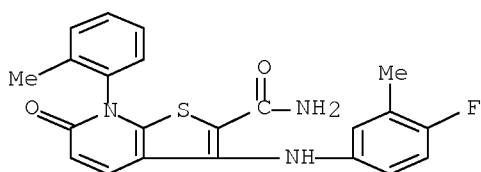
RN 639479-49-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



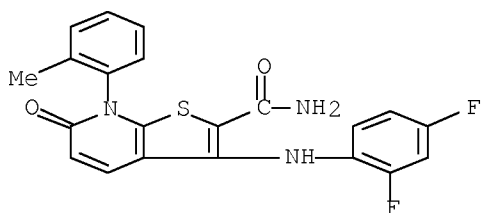
RN 639479-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



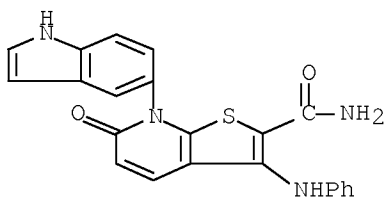
RN 639479-51-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



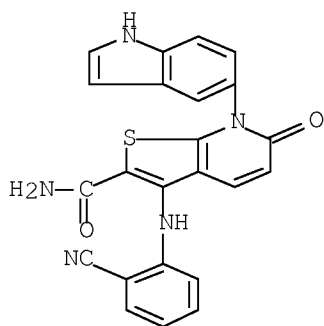
RN 639479-53-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)- (CA INDEX NAME)



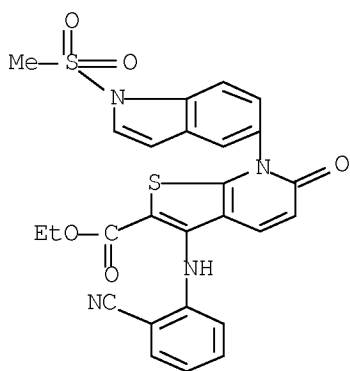
RN 639479-55-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo- (CA INDEX NAME)



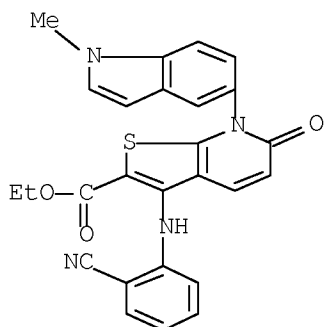
RN 639479-56-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[1-(methylsulfonyl)-1H-indol-5-yl]-6-oxo-, ethyl ester (CA INDEX NAME)



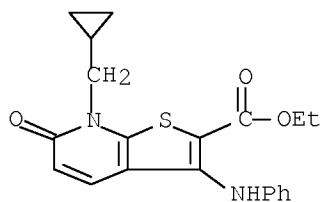
RN 639479-57-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1-methyl-1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



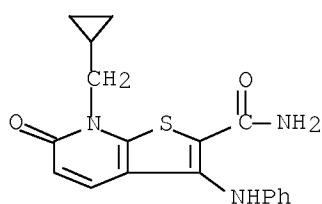
RN 639479-59-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



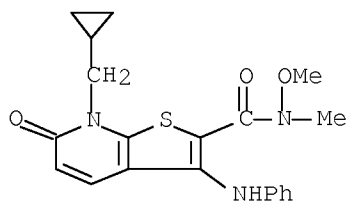
RN 639479-60-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



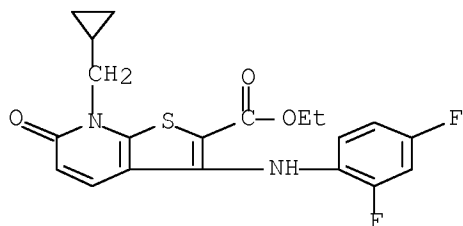
RN 639479-61-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)- (CA INDEX NAME)



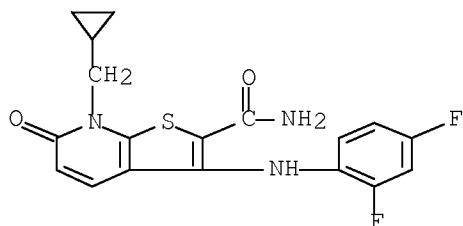
RN 639479-62-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



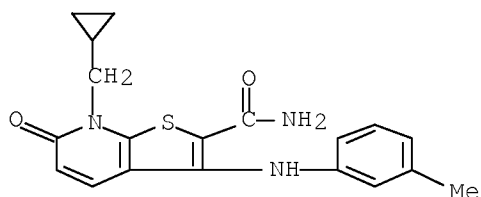
RN 639479-63-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



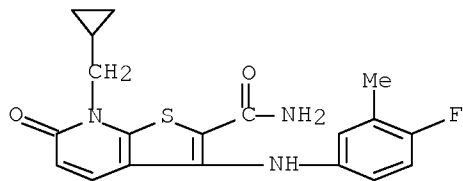
RN 639479-69-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



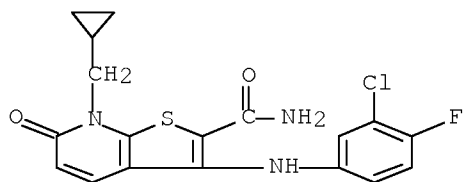
RN 639479-70-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)

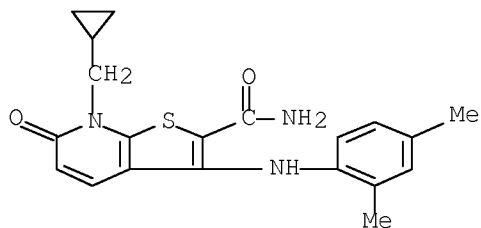


RN 639479-71-3 CAPLUS

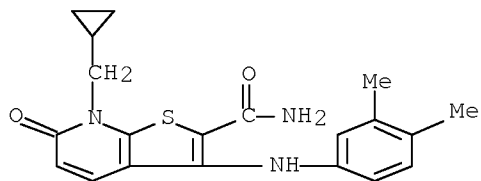
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



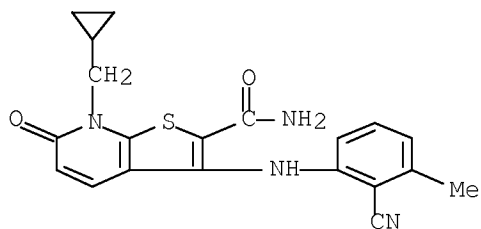
RN 639479-72-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



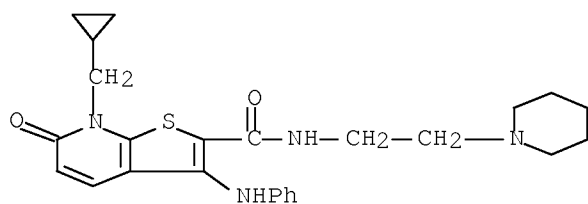
RN 639479-73-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639479-75-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)

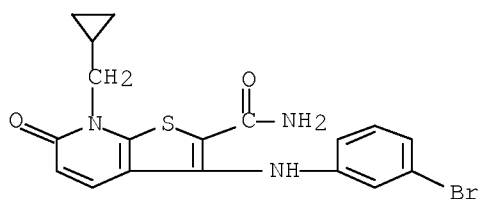


RN 639479-76-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



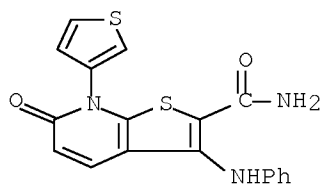
RN 639479-79-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



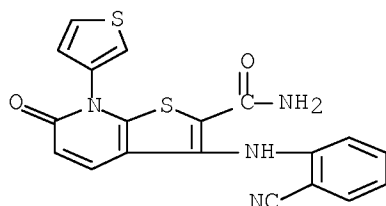
RN 639479-81-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)- (CA INDEX NAME)



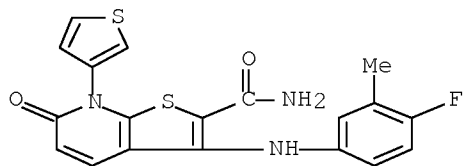
RN 639479-83-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



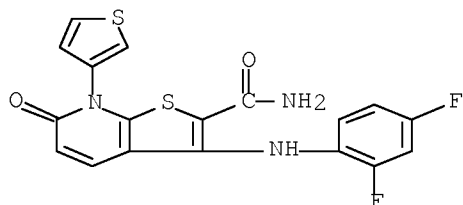
RN 639479-85-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



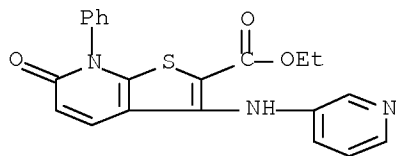
RN 639479-86-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



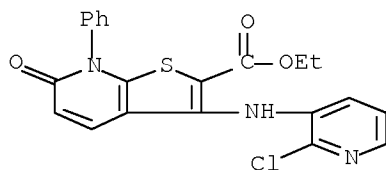
RN 639479-87-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(3-pyridinylamino)-, ethyl ester (CA INDEX NAME)



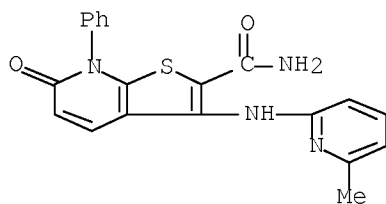
RN 639479-88-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chloro-3-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



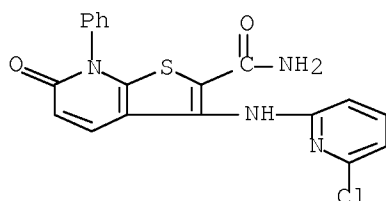
RN 639479-90-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



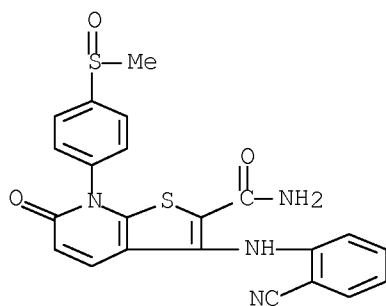
RN 639479-92-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



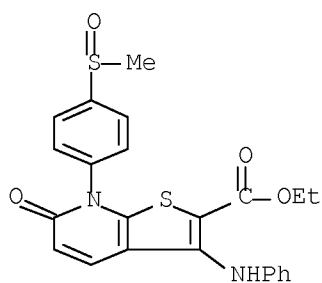
RN 639479-95-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo- (CA INDEX NAME)



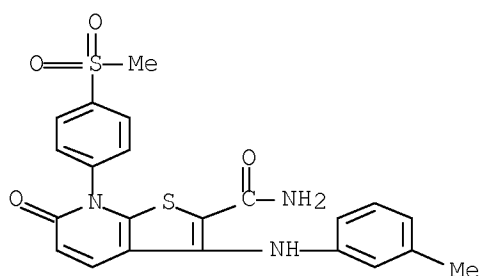
RN 639479-97-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



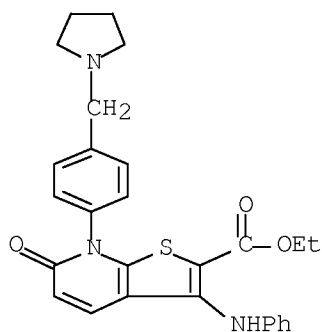
RN 639480-00-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo- (CA INDEX NAME)



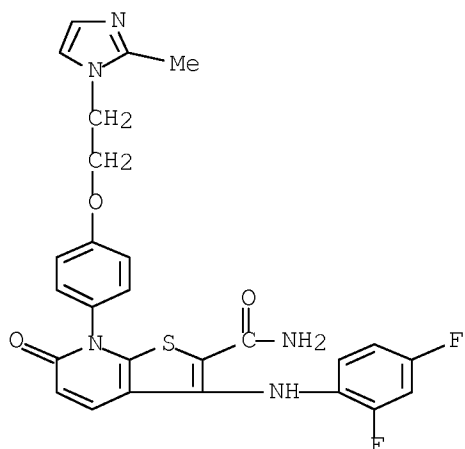
RN 639480-01-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-[4-(1-pyrrolidinylmethyl)phenyl]-, ethyl ester (CA INDEX NAME)



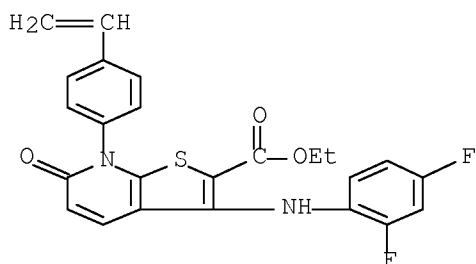
RN 639480-03-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo- (CA INDEX NAME)



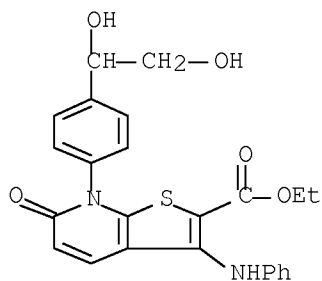
RN 639480-04-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



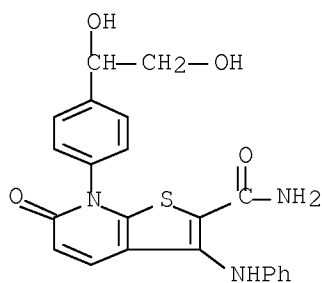
RN 639480-07-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



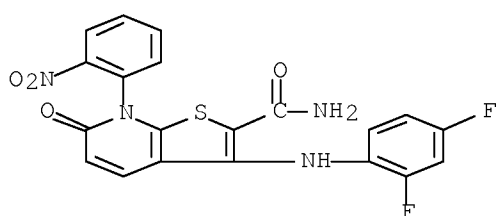
RN 639480-08-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



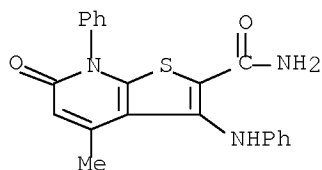
RN 639480-11-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo- (CA INDEX NAME)



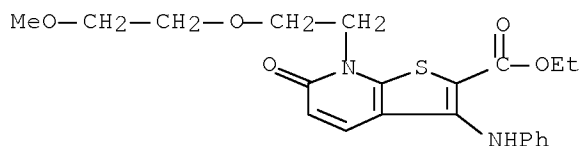
RN 639480-13-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



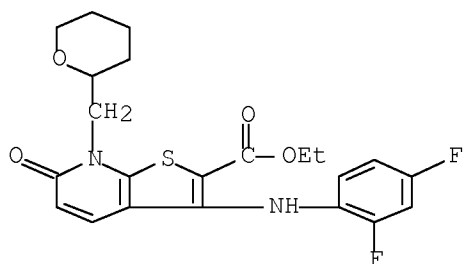
RN 639480-15-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[2-(2-methoxyethoxy)ethyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



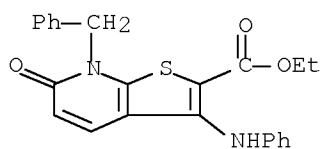
RN 639480-16-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-[(tetrahydro-2H-pyran-2-yl)methyl]-, ethyl ester (CA INDEX NAME)



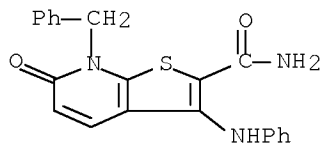
RN 639480-17-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



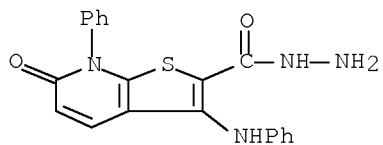
RN 639480-19-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)- (CA INDEX NAME)



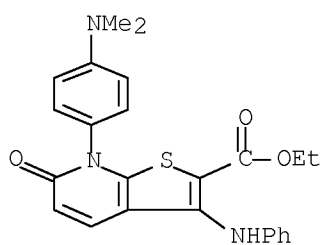
RN 639480-20-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, hydrazide (CA INDEX NAME)



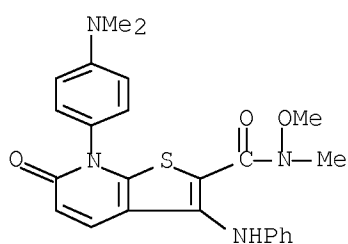
RN 639480-21-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



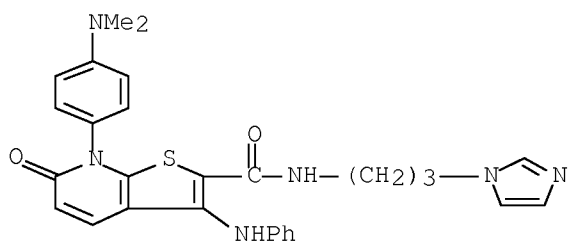
RN 639480-22-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)- (CA INDEX NAME)



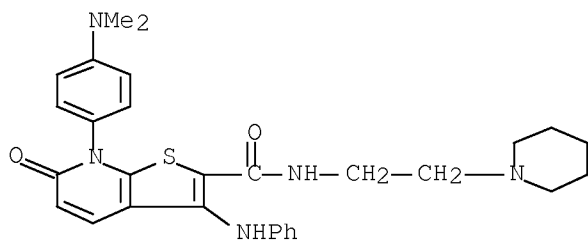
RN 639480-23-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-3-(phenylamino)- (CA INDEX NAME)

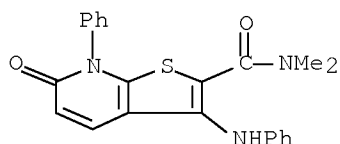


RN 639480-24-3 CAPLUS

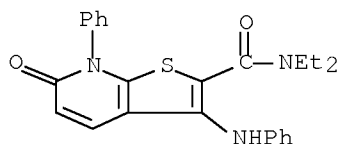
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



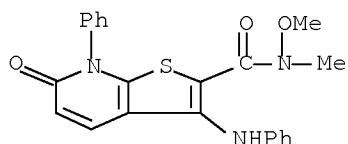
RN 639480-25-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N,N-dimethyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



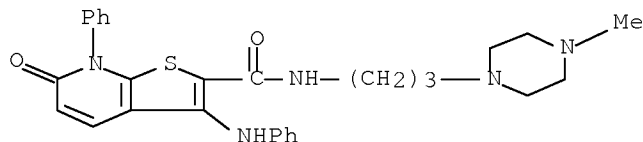
RN 639480-26-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, N,N-diethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



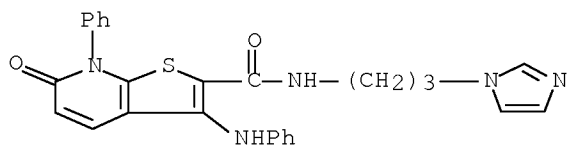
RN 639480-27-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 639480-28-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-methyl-1-piperazinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

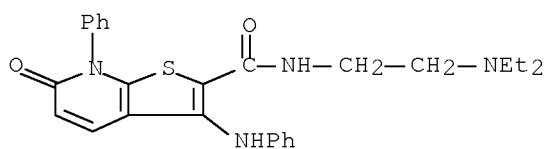


RN 639480-29-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



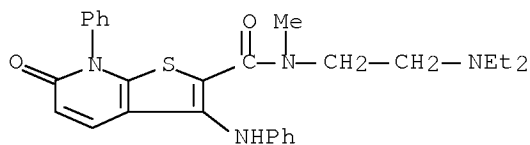
RN 639480-30-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(diethylamino)ethyl]-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



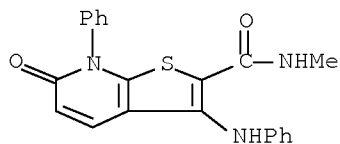
RN 639480-31-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(diethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



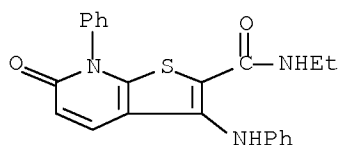
RN 639480-32-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



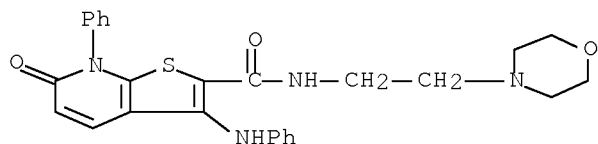
RN 639480-33-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-ethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



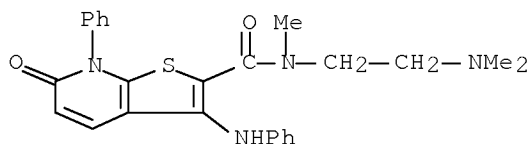
RN 639480-34-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[2-(4-morpholinyl)ethyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



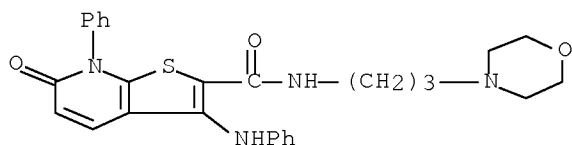
RN 639480-35-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(dimethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



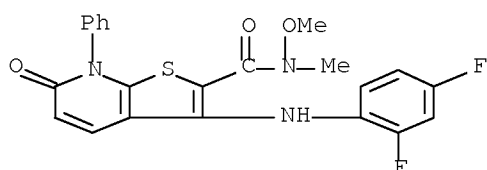
RN 639480-36-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-morpholinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



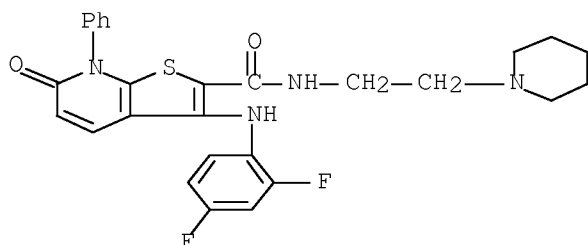
RN 639480-37-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)



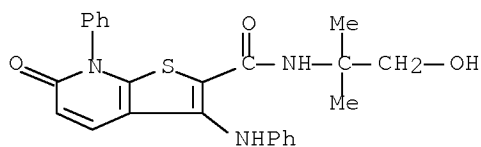
RN 639480-38-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



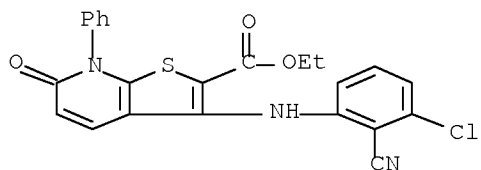
RN 639480-39-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



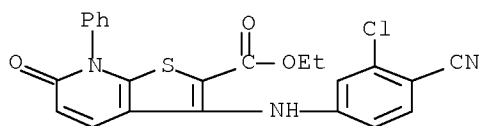
RN 639480-40-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



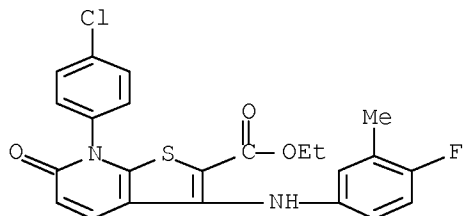
RN 639480-44-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



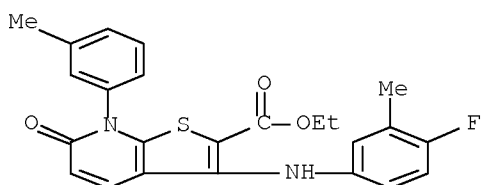
RN 639480-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



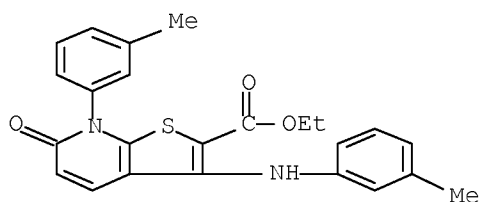
RN 639480-50-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



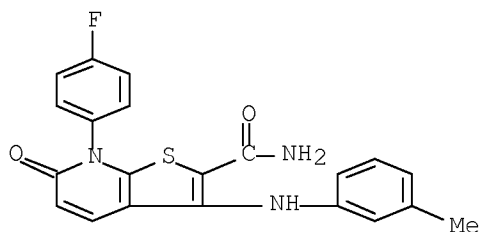
RN 639480-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl ester (CA INDEX NAME)



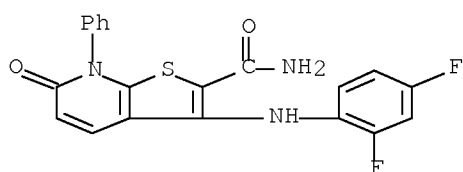
RN 639480-77-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(4-fluorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



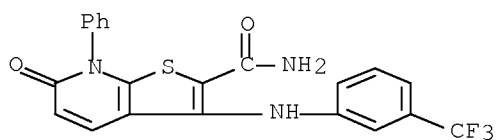
RN 639480-78-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



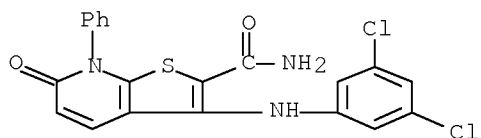
RN 639480-79-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethyl)phenyl]amino]- (CA INDEX NAME)



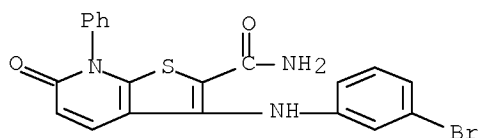
RN 639480-80-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3,5-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



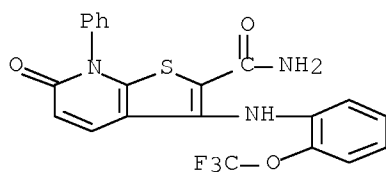
RN 639480-81-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



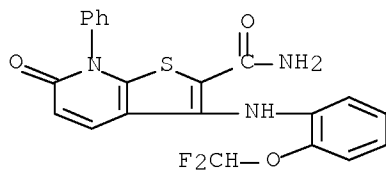
RN 639480-82-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[2-(trifluoromethoxy)phenyl]amino]- (CA INDEX NAME)



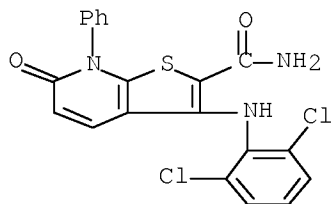
RN 639480-83-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[[2-(difluoromethoxy)phenyl]amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



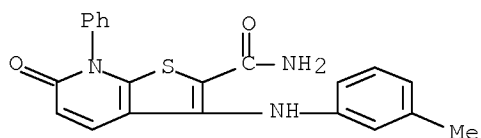
RN 639480-84-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,6-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



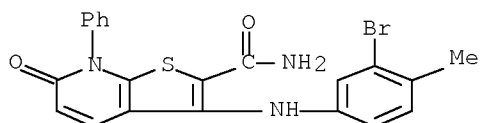
RN 639480-85-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



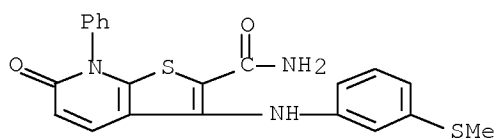
RN 639480-86-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-bromo-4-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



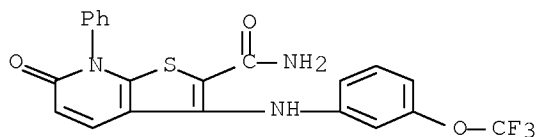
RN 639480-87-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[[3-(methylthio)phenyl]amino]-6-oxo-7-phenyl- (CA INDEX NAME)



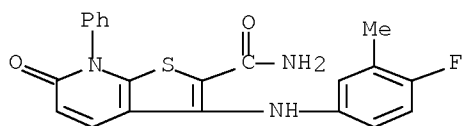
RN 639480-88-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethoxy)phenyl]amino]- (CA INDEX NAME)



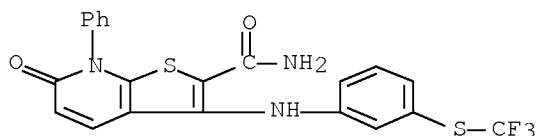
RN 639480-89-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



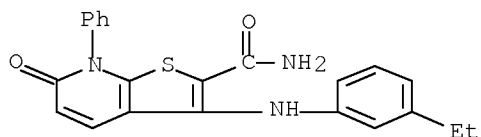
RN 639480-90-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-
[(trifluoromethyl)thio]phenyl]amino]- (CA INDEX NAME)



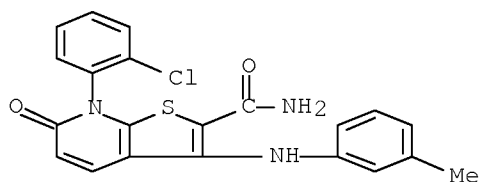
RN 639480-91-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-ethylphenyl)amino]-6,7-dihydro-
6-oxo-7-phenyl- (CA INDEX NAME)



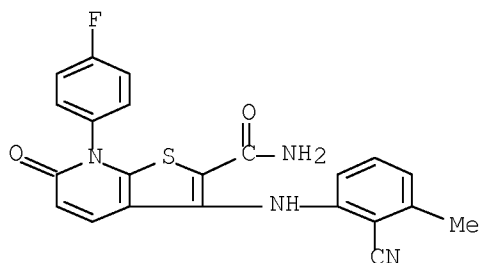
RN 639480-92-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-6,7-dihydro-3-[(3-
methylphenyl)amino]-6-oxo- (CA INDEX NAME)



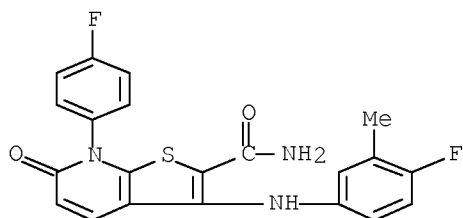
RN 639480-93-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-7-
(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



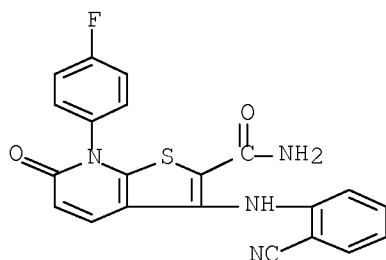
RN 639480-94-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



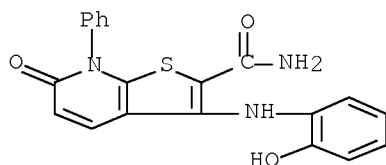
RN 639480-95-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



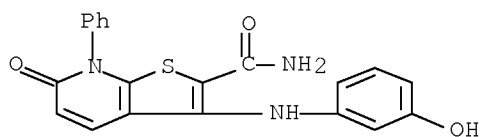
RN 639480-96-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



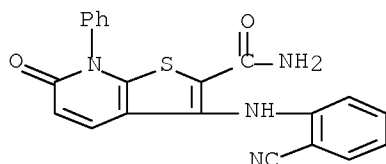
RN 639480-97-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



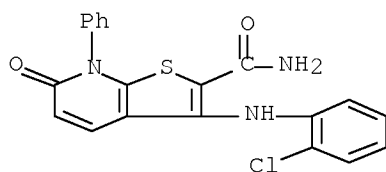
RN 639480-98-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



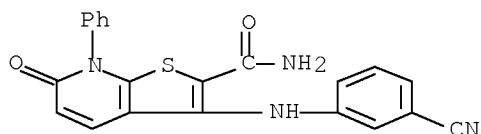
RN 639480-99-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



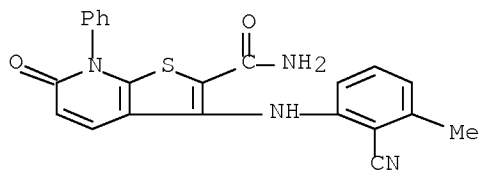
RN 639481-00-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



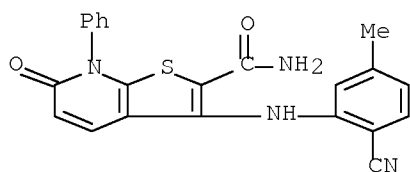
RN 639481-01-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



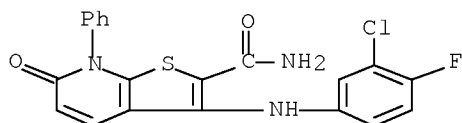
RN 639481-02-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



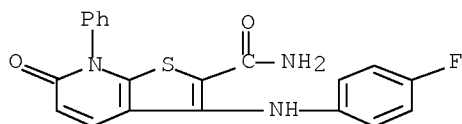
RN 639481-03-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



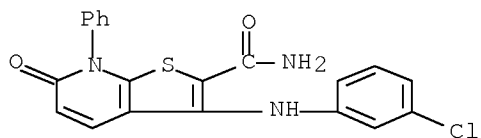
RN 639481-04-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



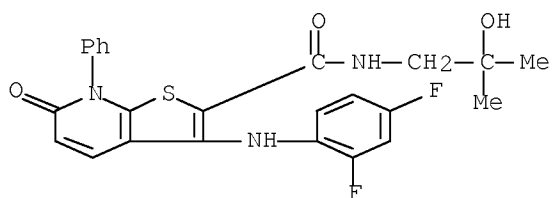
RN 639481-05-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



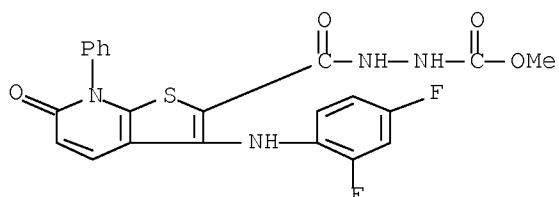
RN 639481-09-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(2-hydroxy-2-methylpropyl)-6-oxo-7-phenyl- (CA INDEX NAME)



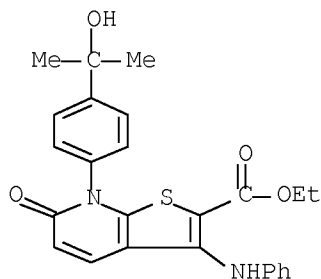
RN 639481-10-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2-(methoxycarbonyl)hydrazide (CA INDEX NAME)



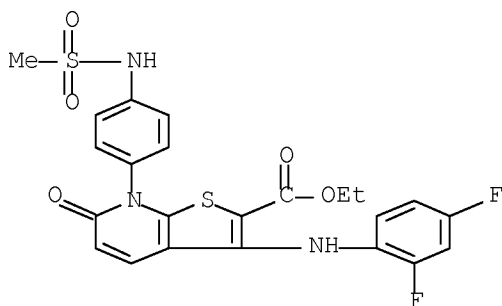
RN 639481-12-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



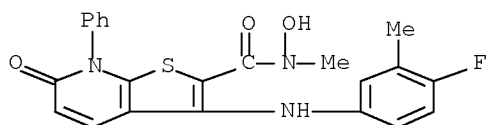
RN 639481-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[(methylsulfonyl)amino]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



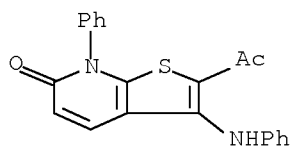
RN 639481-15-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-N-hydroxy-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)



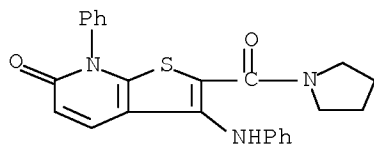
RN 639481-16-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



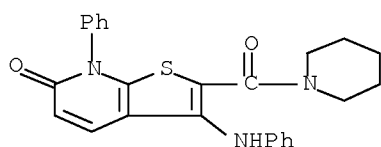
RN 639481-18-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



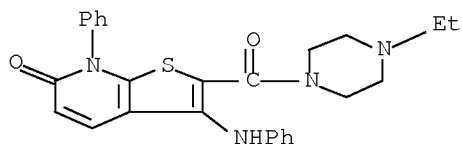
RN 639481-19-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-piperidinylcarbonyl)- (CA INDEX NAME)



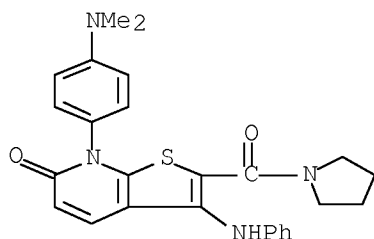
RN 639481-20-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



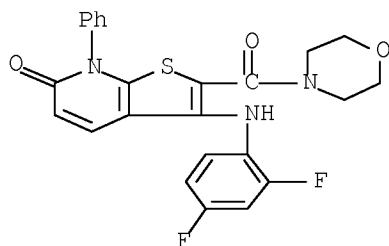
RN 639481-21-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-[4-(dimethylamino)phenyl]-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



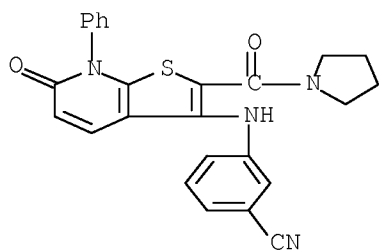
RN 639481-22-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-(4-morpholinylcarbonyl)-7-phenyl- (CA INDEX NAME)



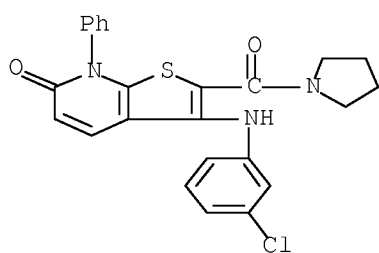
RN 639481-23-5 CAPLUS

CN Benzonitrile, 3-[[6,7-dihydro-6-oxo-7-phenyl-2-(1-pyrrolidinylcarbonyl)thieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)



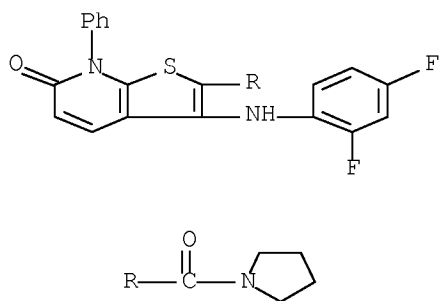
RN 639481-24-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



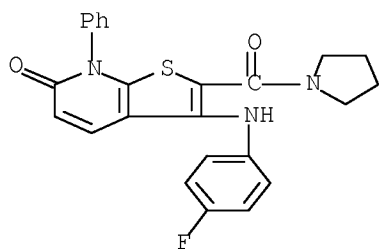
RN 639481-25-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



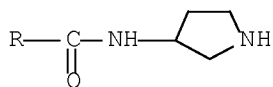
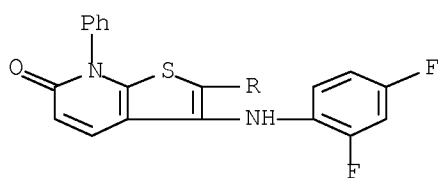
RN 639481-26-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



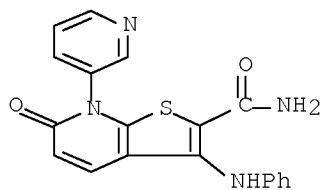
RN 639481-27-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 639504-80-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)



IT 514182-52-6P 514182-57-1P 639481-28-0P
 639481-29-1P 639481-34-8P 639481-47-3P
 639481-48-4P 639481-49-5P 639481-50-8P
 639481-52-0P 639481-55-3P 639481-56-4P
 639481-58-6P 639481-60-0P 639481-61-1P
 639481-62-2P 639481-63-3P 639481-64-4P
 639481-65-5P 639481-66-6P 639481-67-7P
 639481-72-4P 639481-73-5P 639481-76-8P
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 639482-00-1P 639482-02-3P 639482-04-5P
 639482-05-6P 639482-06-7P 639482-07-8P
 639482-09-0P 639482-10-3P 639482-11-4P

639482-12-5P 639482-13-6P 639482-17-0P
639504-79-3P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

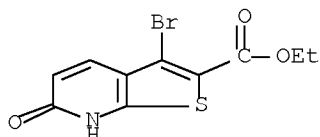
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

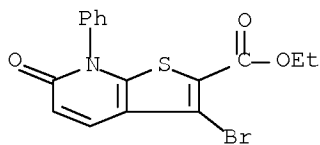
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



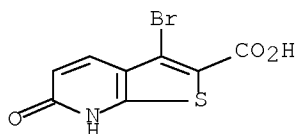
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



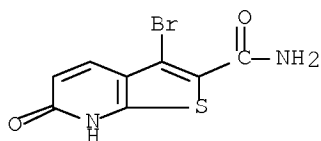
RN 639481-28-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo- (CA INDEX NAME)



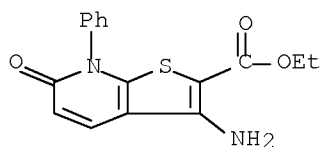
RN 639481-29-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-bromo-6,7-dihydro-6-oxo- (CA INDEX NAME)



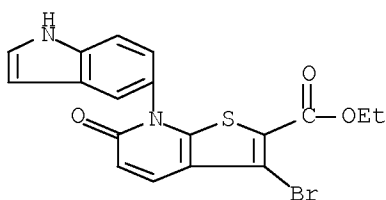
RN 639481-34-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



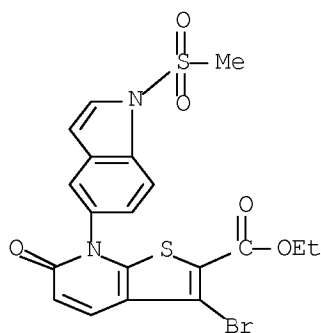
RN 639481-47-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



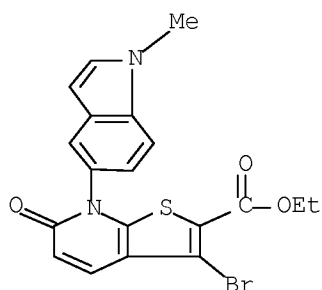
RN 639481-48-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[1-(methylsulfonyl)-1H-indol-5-yl]-6-oxo-, ethyl ester (CA INDEX NAME)



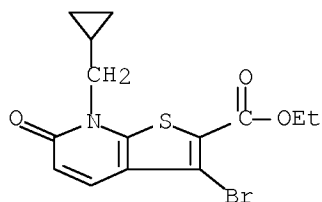
RN 639481-49-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(1-methyl-1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



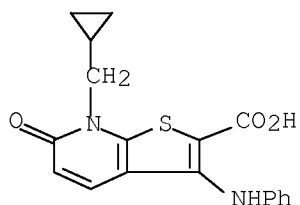
RN 639481-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-52-0 CAPLUS

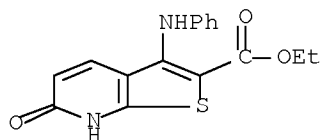
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



● NH₃

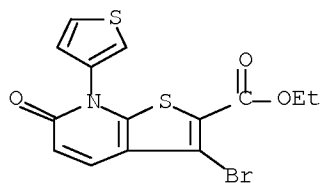
RN 639481-55-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



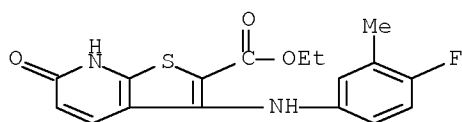
RN 639481-56-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



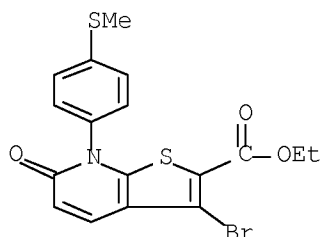
RN 639481-58-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



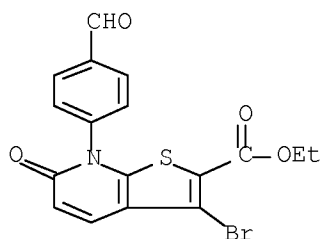
RN 639481-60-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



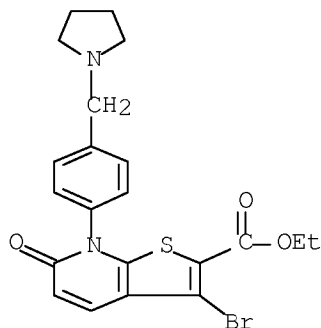
RN 639481-61-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-formylphenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



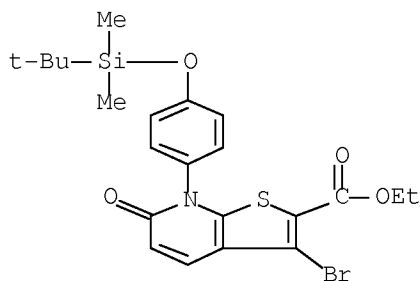
RN 639481-62-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-[4-(1-pyrrolidinylmethyl)phenyl]-, ethyl ester (CA INDEX NAME)



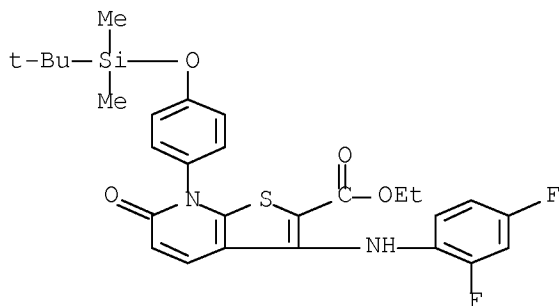
RN 639481-63-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-[[[1,1-dimethylethyl)dimethylsilyl]oxy]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



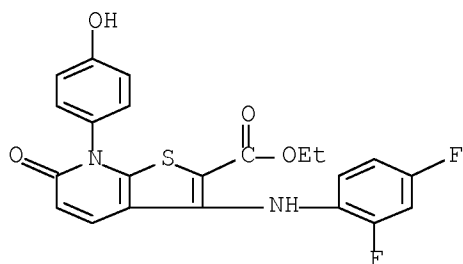
RN 639481-64-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-[4-[[[1,1-dimethylethyl)dimethylsilyl]oxy]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



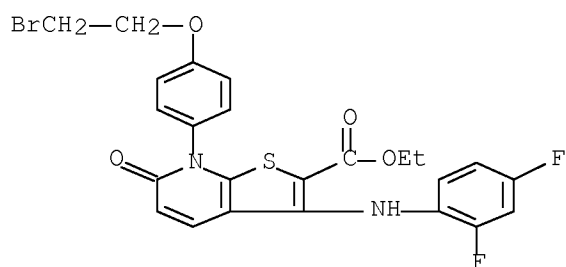
RN 639481-65-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



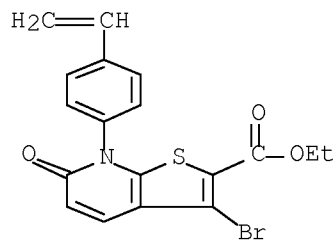
RN 639481-66-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(2-bromoethoxy)phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



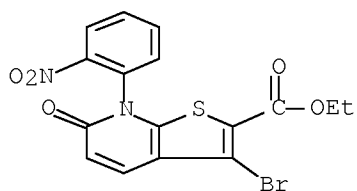
RN 639481-67-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



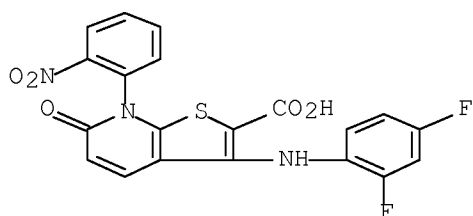
RN 639481-72-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-73-5 CAPLUS

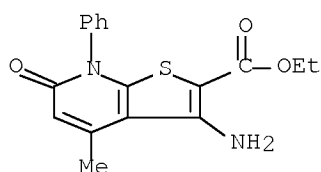
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

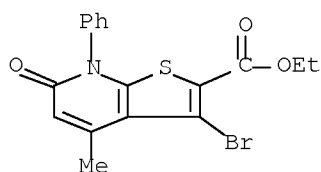
RN 639481-76-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-4-methyl-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639481-78-0 CAPLUS

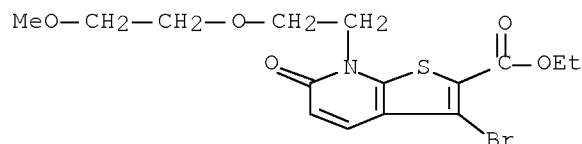
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-4-methyl-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639481-84-8 CAPLUS

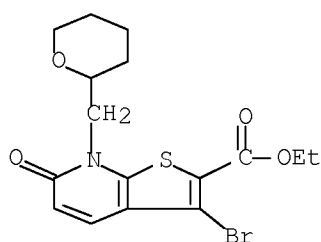
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[2-(2-

methoxyethoxy)ethyl]-6-oxo-, ethyl ester (CA INDEX NAME)



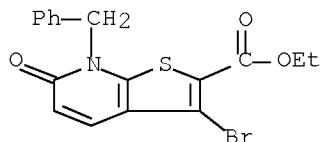
RN 639481-85-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-[(tetrahydro-2H-pyran-2-yl)methyl]-, ethyl ester (CA INDEX NAME)



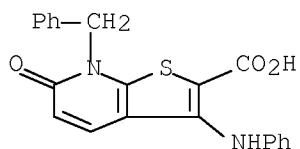
RN 639481-86-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



RN 639481-87-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ammonium salt (1:1) (CA INDEX NAME)

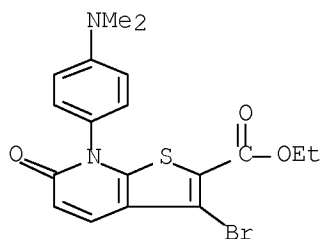


● NH₃

RN 639481-89-3 CAPLUS

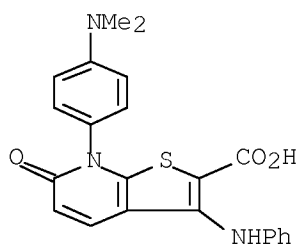
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-

(dimethylamino)phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-90-6 CAPLUS

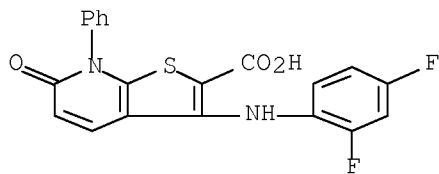
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



● NH₃

RN 639481-91-7 CAPLUS

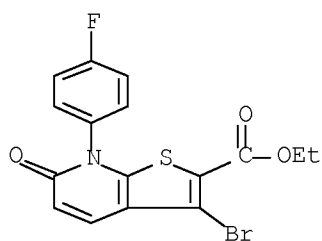
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



● NH₃

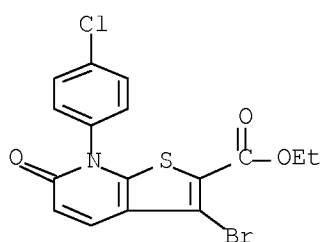
RN 639481-92-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



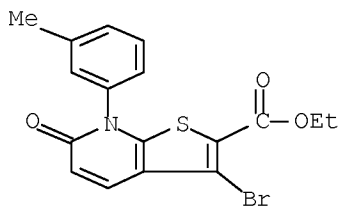
RN 639481-93-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-chlorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



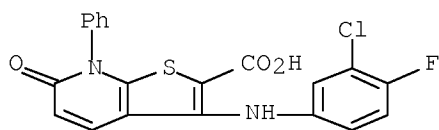
RN 639481-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



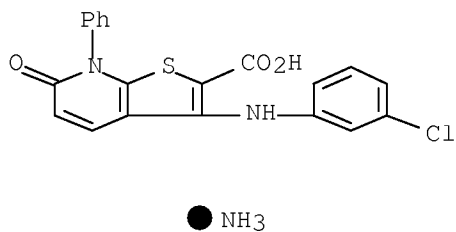
RN 639481-99-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)

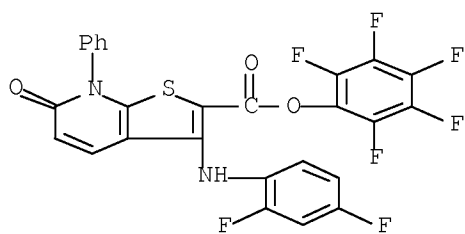


● NH3

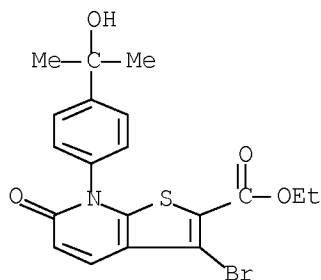
RN 639482-00-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



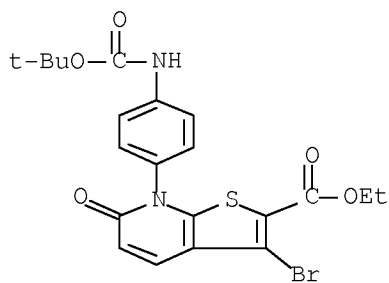
RN 639482-02-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 639482-04-5 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)

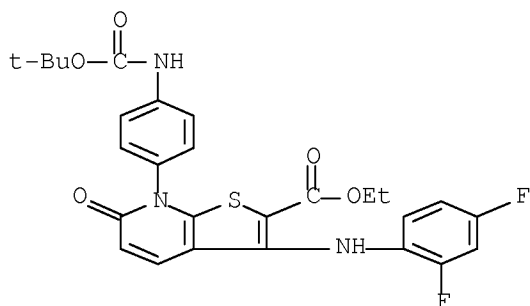


RN 639482-05-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-[[1,1-dimethylethoxy)carbonyl]amino]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



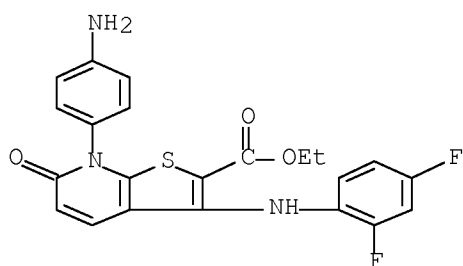
RN 639482-06-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-[4-[[[(1,1-dimethylethoxy)carbonyl]amino]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



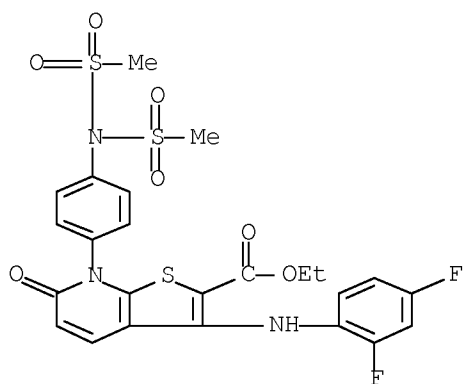
RN 639482-07-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-aminophenyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)

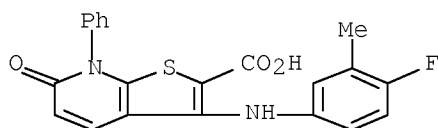


RN 639482-09-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-bis(methylsulfonyl)amino]phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)

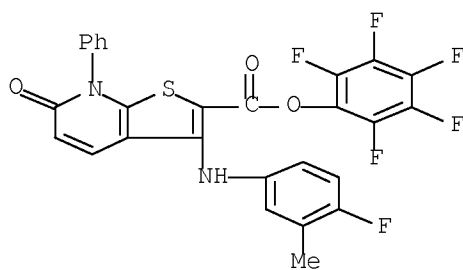


RN 639482-10-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)

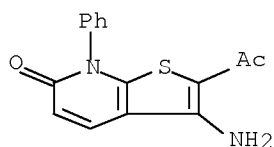


● NH3

RN 639482-11-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)

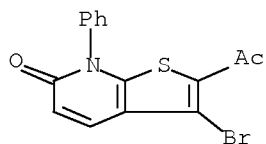


RN 639482-12-5 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-3-amino-7-phenyl- (CA INDEX NAME)



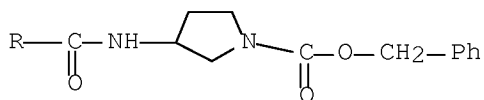
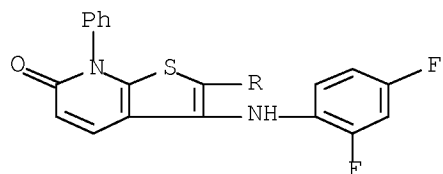
RN 639482-13-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-3-bromo-7-phenyl- (CA INDEX NAME)



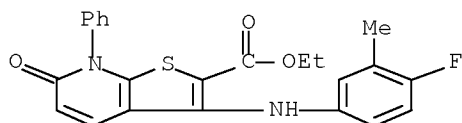
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



IT 639482-18-1

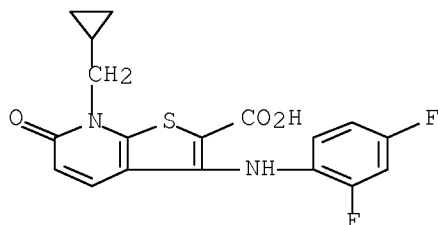
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

kinase inhibitors)

RN 639482-18-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:608946 CAPLUS Full-text

DOCUMENT NUMBER: 140:27778

TITLE: Electron-rich amino heterocycles for regiospecific synthesis of trifluoromethyl-containing fused pyridines

AUTHOR(S): Volochnyuk, Dmitriy M.; Pushechnikov, Alexei O.; Krotko, Dmitriy G.; Sibgatulin, Dmitriy A.; Kovalyova, Svetlana A.; Tolmachev, Andrei A.

CORPORATE SOURCE: Research and Development Center for Chemistry and Biology, National Taras Shevchenko University, Kiev, 01033, Ukraine

SOURCE: Synthesis (2003), (10), 1531-1540
CODEN: SYNTBF; ISSN: 0039-7881

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:27778

AB The reaction of 4,4,4-trifluoro-3-oxobutanoates with electron-rich amino heterocycles was investigated. A simple and flexible general procedure for the regiospecific annulation of the trifluoromethylpyridine ring to electron-rich amino heterocycles was proposed. A set of CF₃-containing fused pyridines in almost quant. yield was obtained.

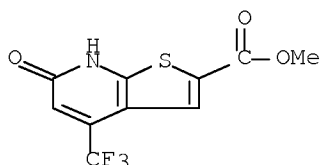
IT 380419-63-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of trifluoromethylated fused pyridines from electron-rich amino heterocycles)

RN 380419-63-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-4-(trifluoromethyl)-, methyl ester (CA INDEX NAME)



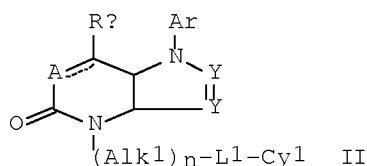
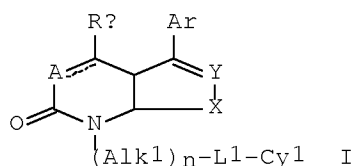
REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:319905 CAPLUS Full-text
 DOCUMENT NUMBER: 138:321293
 TITLE: Preparation of bicyclic oxopyridine and oxopyrimidine derivatives as potent selective inhibitors of p38 kinase
 INVENTOR(S): Davis, Jeremy Martin; Brookings, Daniel Christopher; Langham, Barry John
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK
 SOURCE: PCT Int. Appl., 138 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033502	A1	20030424	WO 2002-GB4680	20021016
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2462147	A1	20030424	CA 2002-2462147	20021016
AU 2002336172	A1	20030428	AU 2002-336172	20021016
AU 2002336172	B2	20070913		
EP 1438313	A1	20040721	EP 2002-770072	20021016
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
HU 2004001718	A2	20041228	HU 2004-1718	20021016
JP 2005505627	T	20050224	JP 2003-536241	20021016
CN 1604901	A	20050406	CN 2002-825094	20021016
NZ 532713	A	20051028	NZ 2002-532713	20021016
MX 2004PA03450	A	20040716	MX 2004-PA3450	20040413
IN 2004DN00970	A	20050401	IN 2004-DN970	20040413
ZA 2004002803	A	20060628	ZA 2004-2803	20040413
NO 2004001975	A	20050716	NO 2004-1975	20040513
US 20040254200	A1	20041216	US 2004-492466	20040720
US 7176215	B2	20070213		
PRIORITY APPLN. INFO.:			GB 2001-24848	A 20011016

OTHER SOURCE(S):
GI

MARPAT 138:321293



AB Bicyclic oxopyridine and oxopyrimidine derivs. (shown as I and II, resp. e.g. Et 6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate; the dashed line = an optional bond; A = N, N(Rb), C(Rb) or C(Rb)(RC); Ra, Rb and Rc = H or an optionally substituted C1-6alkyl; X = O, S, NH or substituted N; each Y = N, CH or substituted C; n = 0-1; Alk1 = optionally substituted aliphatic or heteroaliph. chain; L1 = covalent bond or a linker atom or group; Cyl = H or optionally substituted cycloaliph., polycycloaliph., heterocycloaliph., polyheterocycloaliph., aromatic or heteroarom. group; Ar = optionally substituted aromatic or heteroarom. group) and the salts, solvates, hydrates and N-oxides thereof are described. The compds. are potent inhibitors of p38 kinase and are use in the prophylaxis or treatment of p38 kinase mediated diseases or disorders, such as rheumatoid arthritis. In the p38 inhibitor assay compds. of the invention have IC50 values of .apprx.30 μ M and below. The more active compds. have IC50 values of .apprx.500 nM and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38 α kinase. Although the methods of preparation are not claimed, 17 example preps. of intermediates and 129 example preps. of I/II are included.

IT 514182-85-5P, Ethyl 6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-98-3P, 6-Oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-30-6P, 6-Oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-46-4P, Ethyl 7-[4-(hydroxymethyl)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-47-5P, Ethyl 7-(4-hydroxyphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-49-7P, Ethyl 7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-51-1P, Ethyl 7-[4-(2-morpholinoethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-54-4P, N-Allyl-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-63-5P, 7-[4-(2-Morpholinoethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-64-6P, 7-[4-(2-Morpholinoethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-68-0P, 7-[4-[2-(2-Methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-74-8P, Ethyl 7-(4-bromophenyl)-3-(2,4-difluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-75-9P, Ethyl 3-(2,4-difluorophenyl)-7-[4-(4-methylpiperazin-1-yl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate hydrochloride 514184-80-6P, Ethyl 7-[[1-(Benzyloxycarbonyl)piperidin-4-yl]methyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-81-7P, Ethyl 6-Oxo-3-phenyl-7-[(piperidin-4-yl)methyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-83-9P, Ethyl

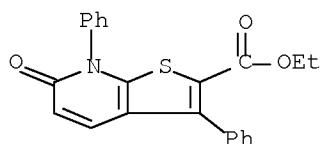
7-(2-nitrophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-86-2P, 7-(2-Nitrophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-88-4P, Ethyl 7-(2-chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-89-5P, 7-(2-Chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-90-8P, 7-(2-Chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of bicyclic oxypyridine and oxopyrimidine derivs. as potent selective inhibitors of p38 kinase)

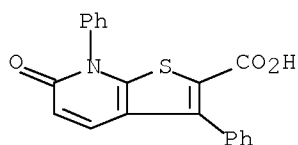
RN 514182-85-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3,7-diphenyl-, ethyl ester (CA INDEX NAME)



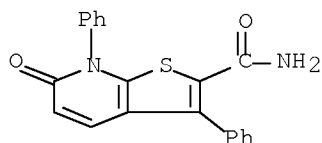
RN 514183-98-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



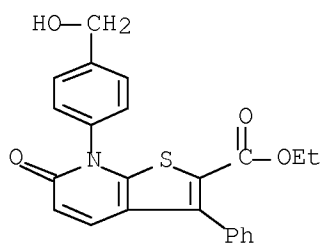
RN 514184-30-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



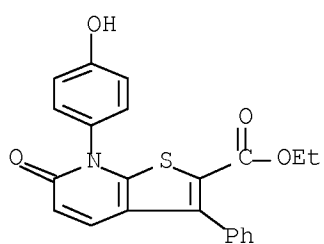
RN 514184-46-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(hydroxymethyl)phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



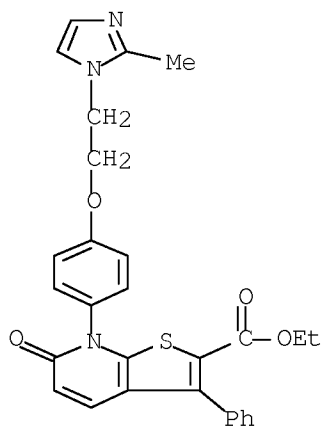
RN 514184-47-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



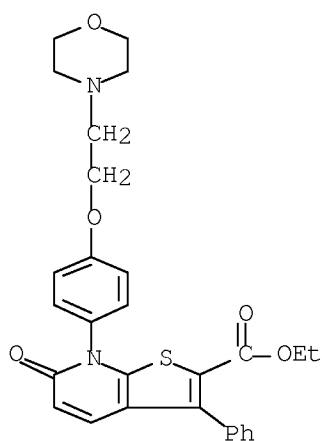
RN 514184-49-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



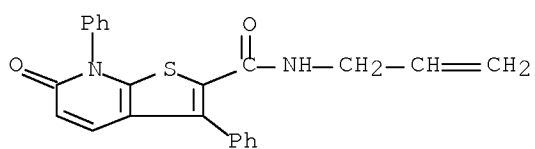
RN 514184-51-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(4-morpholinyl)ethoxy]phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



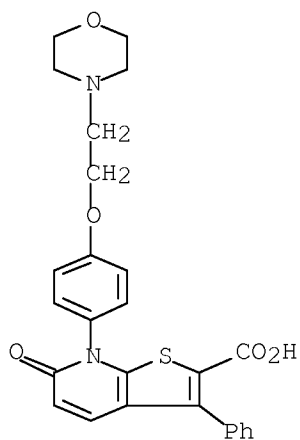
RN 514184-54-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl-N-2-propen-1-yl- (CA INDEX NAME)



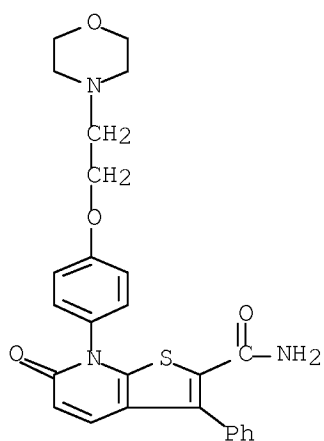
RN 514184-63-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(4-morpholinyl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)



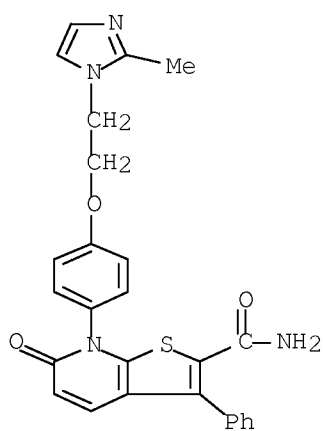
RN 514184-64-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-[4-[2-(4-morpholinyl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)



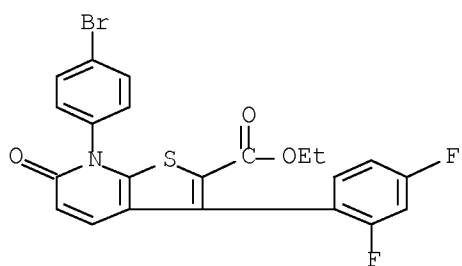
RN 514184-68-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)



RN 514184-74-8 CAPLUS

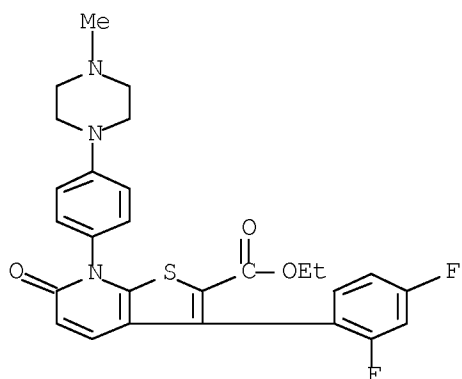
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-bromophenyl)-3-(2,4-difluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 514184-75-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-

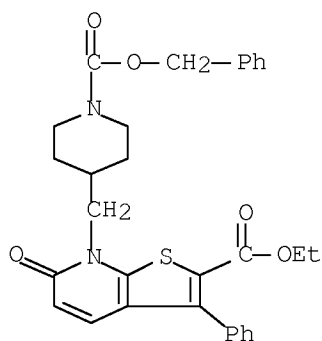
dihydro-7-[4-(4-methyl-1-piperazinyl)phenyl]-6-oxo-, ethyl ester,
hydrochloride (1:?) (CA INDEX NAME)



●x HCl

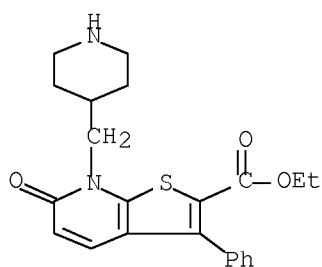
RN 514184-80-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[[1-[(phenylmethoxy)carbonyl]-4-piperidinyl]methyl]-, ethyl ester (CA INDEX NAME)



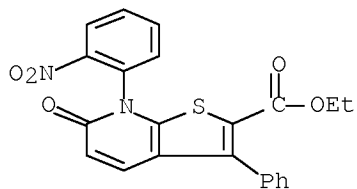
RN 514184-81-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(4-piperidinylmethyl)-, ethyl ester (CA INDEX NAME)



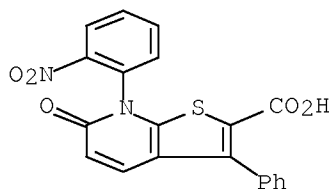
RN 514184-83-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(2-nitrophenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



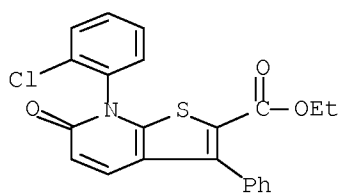
RN 514184-86-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(2-nitrophenyl)-6-oxo-3-phenyl- (CA INDEX NAME)



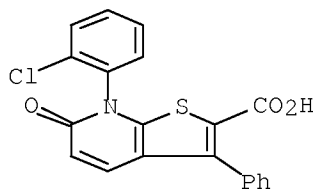
RN 514184-88-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)

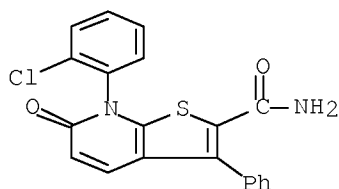


RN 514184-89-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



RN 514184-90-8 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



IT 514182-87-7P, Ethyl 7-cyclopropylmethyl-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-89-9P, Ethyl 7-(4-dimethylaminophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-91-3P, Ethyl 7-(4-methoxyphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-93-5P, Ethyl 7-(3-methoxyphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-94-6P, Ethyl 6-oxo-3-phenyl-7-(4-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-96-8P, Ethyl 7-(5-indolyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-98-0P, Ethyl 6-oxo-3-phenyl-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-00-7P, Ethyl 6-oxo-3-phenyl-7-(4-trifluoromethoxyphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-02-9P, Ethyl 7-(3-fluorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-04-1P, Ethyl 7-(4-fluorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-06-3P, Ethyl 7-(4-chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-08-5P, Ethyl 7-(3-cyanophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-10-9P, Ethyl 6-oxo-3-phenyl-7-(3-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-11-0P, Ethyl 6-oxo-3-phenyl-7-(4-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-13-2P, Ethyl 7-(3-bromophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-14-3P, Ethyl 3-(4-fluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-16-5P, Ethyl 7-(3-chlorophenyl)-3-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-19-8P, Ethyl 6-oxo-7-phenyl-3-(2-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-21-2P, Ethyl 6-oxo-7-phenyl-3-(3-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-23-4P, Ethyl 6-oxo-7-phenyl-3-(4-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-25-6P, Ethyl 3-(2-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-27-8P, Ethyl

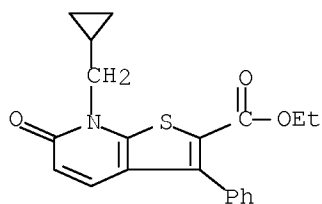
3-(2-fluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-29-0P, Ethyl 3-(3-chlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-31-4P, Ethyl 3-(2-chlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-33-6P, Ethyl 3-(5-chloro-2-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-35-8P, Ethyl 3-(4-fluoro-2-methylphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-37-0P, Ethyl 3-(2,3-dichlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-39-2P, Ethyl 3-(2,4-difluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-41-6P, Ethyl 3-(3-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-43-8P, Ethyl 3-(4-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-45-0P, Ethyl 3-(3-cyanophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-47-2P, Ethyl 3-(4-cyanophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-49-4P, Ethyl 3-(3-fluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-51-8P, Ethyl 3-(4-chlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-53-0P, Ethyl 3-(2,4-dichlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-55-2P, Ethyl 3-(2,5-dichlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-57-4P, Ethyl 3-(5-fluoro-2-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-59-6P, Ethyl 3-(2,6-dimethylphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-61-0P, Ethyl 6-oxo-7-phenyl-3-(3-pyridyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-63-2P, Ethyl 6-oxo-7-phenyl-3-(2-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-65-4P, Ethyl 6-oxo-7-phenyl-3-(3-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-66-5P, Ethyl 6-oxo-7-phenyl-3-(4-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-68-7P, Ethyl 6-oxo-3-phenyl-7-(3-pyridinyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-70-1P, Ethyl 7-benzyl-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-72-3P, Ethyl 7-(cyclohexylmethyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-74-5P, Ethyl 6-oxo-7-(1-phenylethyl)-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-76-7P, Ethyl 7-(3-methoxybenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-78-9P, Ethyl 7-(2,6-difluorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-80-3P, Ethyl 7-(3-methylbutyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-82-5P, Ethyl 7-allyl-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-84-7P, Ethyl 6-oxo-7-(2-phenylethyl)-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-86-9P, Ethyl 7-(2-chlorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-88-1P, Ethyl 7-(3-chlorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-90-5P, Ethyl 7-(4-chlorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-92-7P, Ethyl 7-(2-morpholinoethyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-94-9P, Ethyl 7-(4-bromophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-96-1P, Ethyl 7-(4-morpholinophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-00-0P, 2-[(4-Methylpiperazino)carbonyl]-3,7-diphenylthieno[2,3-b]pyridin-6(7H)-one 514184-02-2P, N-Ethyl-6-oxo-3,7-diphenyl-6,7-

dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-04-4P,
 N-(3-Hydroxypropyl)-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxamide 514184-06-6P, 6-Oxo-3,7-diphenyl-N-[2-(1-
 pyrrolidinyl)ethyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide
 514184-08-8P, 6-Oxo-3,7-diphenyl-N-(2-piperidinoethyl)-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-10-2P,
 N-(3-Methoxypropyl)-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxamide 514184-12-4P, N-(2-Methoxyethyl)-6-oxo-3,7-diphenyl-
 6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-14-6P,
 3,7-Diphenyl-2-(1-pyrrolidinylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one
 514184-16-8P, N-[3-(1H-Imidazol-1-yl)propyl]-6-oxo-3,7-diphenyl-
 6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-18-0P,
 N-(2-Morpholinoethyl)-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-
 2-carboxamide 514184-20-4P, N-[3-(4-Methylpiperazino)propyl]-6-
 oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide
 514184-22-6P, N-(3-Morpholinopropyl)-6-oxo-3,7-diphenyl-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-24-8P,
 N,N-Diethyl-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxamide 514184-26-0P, N,N-Dimethyl-6-oxo-3,7-diphenyl-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-28-2P,
 N-Methyl-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide
 514184-32-8P, N-Methoxy-N-methyl-6-oxo-3,7-diphenyl-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-45-3P, Ethyl
 7-[4-(benzyloxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxylate 514184-48-6P, Ethyl 7-[4-(2-hydroxyethoxy)phenyl]-6-
 oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate
 514184-55-5P, N-(2,3-Dihydroxypropyl)-6-oxo-3,7-diphenyl-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-66-8P, Ethyl
 7-[4-(2,3-dihydroxypropoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-
 b]pyridine-2-carboxylate 514184-72-6P, Ethyl
 7-[4-[(2-methyl-1H-imidazol-1-yl)methyl]phenyl]-6-oxo-3-phenyl-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-79-3P, Ethyl
 6-Oxo-3-phenyl-7-[(pyridin-3-yl)methyl]-6,7-dihydrothieno[2,3-b]pyridine-2-
 carboxylate 514184-82-8P, Ethyl 7-[(1-Methanesulfonylpiperidin-4-
 yl)methyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate
 514184-84-0P, Ethyl 7-(2-aminophenyl)-6-oxo-3-phenyl-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-85-1P, Ethyl
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 carboxylate 514184-87-3P, 7-(2-Nitrophenyl)-6-oxo-3-phenyl-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-93-1P, Ethyl
 3-(2,4-difluorophenyl)-7-[4-(4-methylpiperazin-1-yl)phenyl]-6-oxo-6,7-
 dihydrothieno[2,3-b]pyridine-2-carboxylate
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of bicyclic oxypyridine and oxopyrimidine
 derivs. as potent selective inhibitors of p38 kinase)

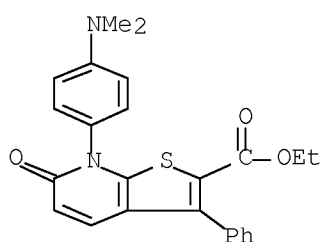
RN 514182-87-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-
 6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



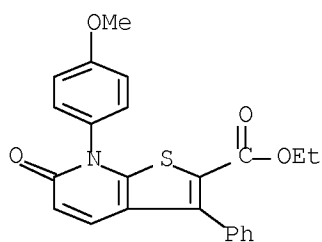
RN 514182-89-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



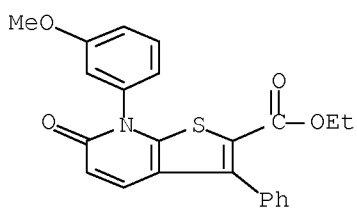
RN 514182-91-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(4-methoxyphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



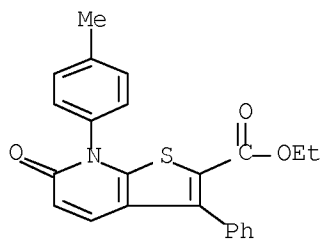
RN 514182-93-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methoxyphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



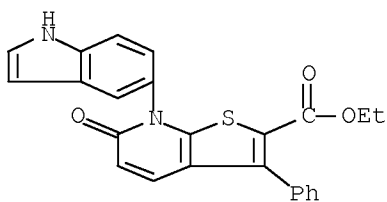
RN 514182-94-6 CAPLUS

Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(4-methylphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



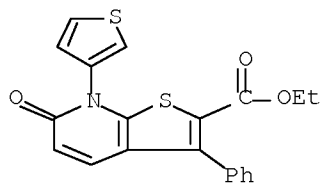
RN 514182-96-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



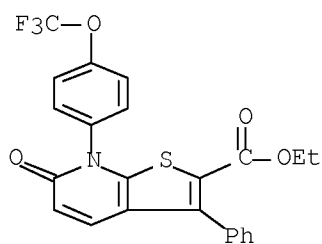
RN 514182-98-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



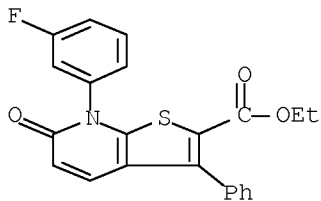
RN 514183-00-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[4-(trifluoromethoxy)phenyl]-, ethyl ester (CA INDEX NAME)



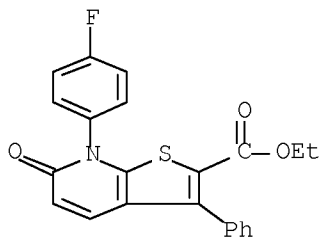
RN	514183-02-9	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-fluorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	

RN	514183-02-9	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-fluorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	



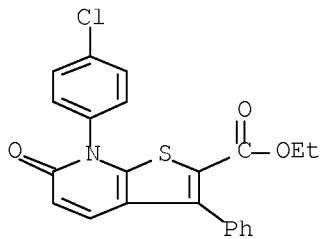
RN	514183-04-1	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-fluorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	

RN	514183-04-1	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-fluorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	



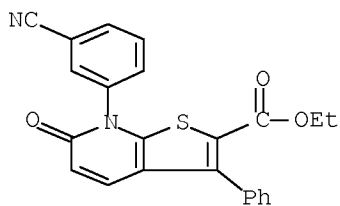
RN	514183-06-3	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	

RN	514183-06-3	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	



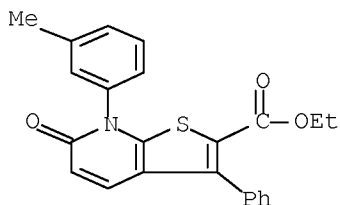
RN	514183-08-5	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-cyanophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	

RN	514183-08-5	CAPLUS
CN	Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-cyanophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)	



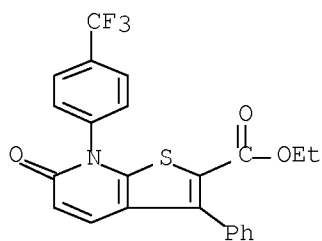
RN 514183-10-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



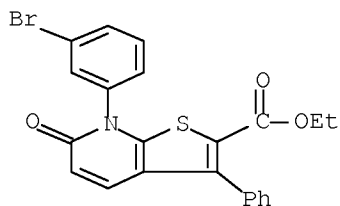
RN 514183-11-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[4-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 514183-13-2 CAPLUS

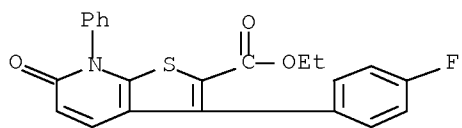
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-bromophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



RN 514183-14-3 CAPLUS

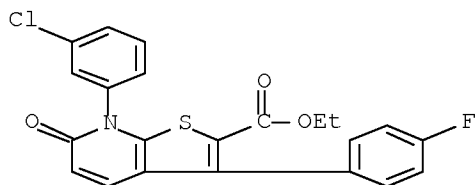
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluorophenyl)-6,7-dihydro-6-

oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



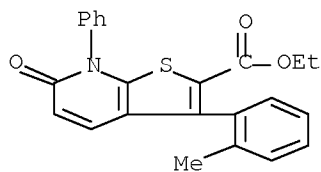
RN 514183-16-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-chlorophenyl)-3-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



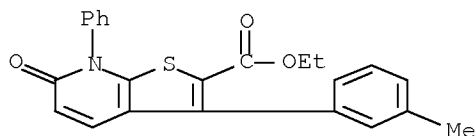
RN 514183-19-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(2-methylphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



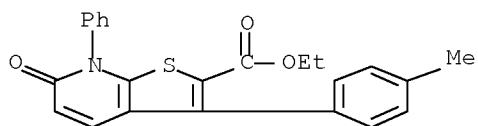
RN 514183-21-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methylphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



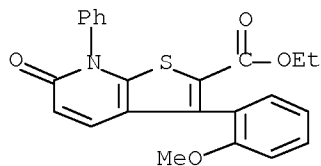
RN 514183-23-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(4-methylphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



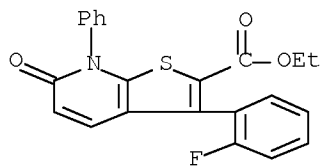
RN 514183-25-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(2-methoxyphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



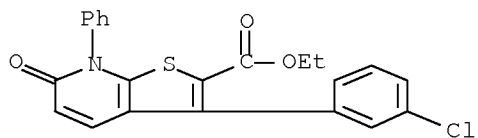
RN 514183-27-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2-fluorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



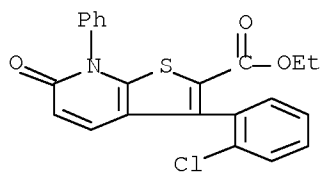
RN 514183-29-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-chlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



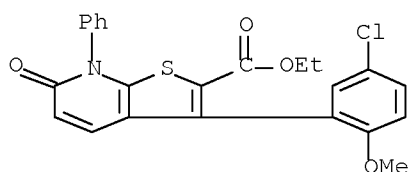
RN 514183-31-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2-chlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



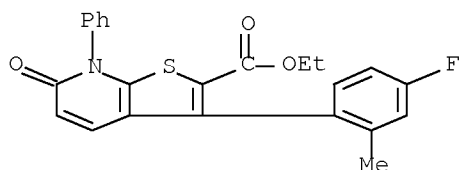
RN 514183-33-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(5-chloro-2-methoxyphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



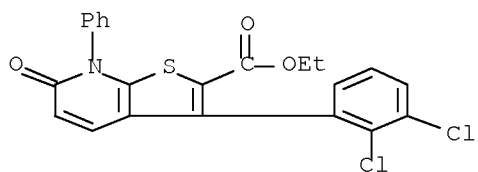
RN 514183-35-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluoro-2-methylphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



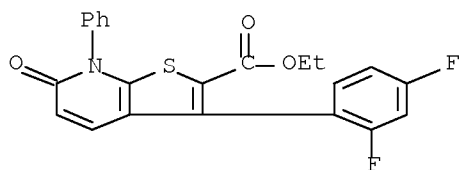
RN 514183-37-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,3-dichlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



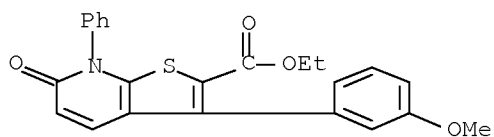
RN 514183-39-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



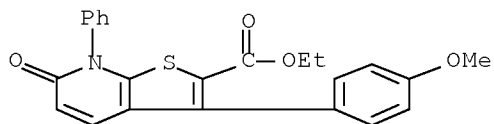
RN 514183-41-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methoxyphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



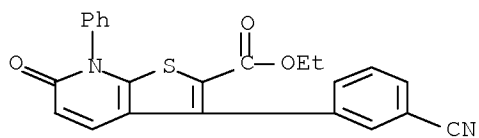
RN 514183-43-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(4-methoxyphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



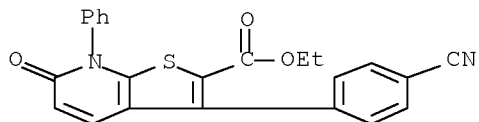
RN 514183-45-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-cyanophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



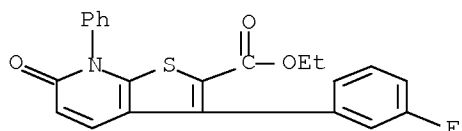
RN 514183-47-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-cyanophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



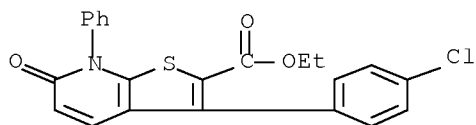
RN 514183-49-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-fluorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



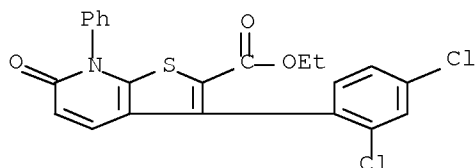
RN 514183-51-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-chlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



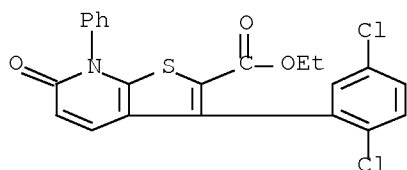
RN 514183-53-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-dichlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



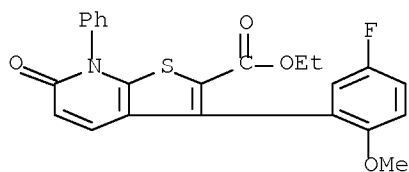
RN 514183-55-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,5-dichlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



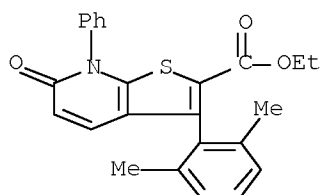
RN 514183-57-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(5-fluoro-2-methoxyphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



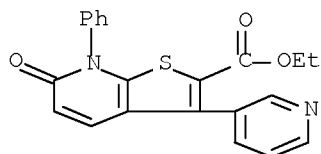
RN 514183-59-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,6-dimethylphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



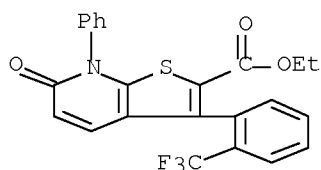
RN 514183-61-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



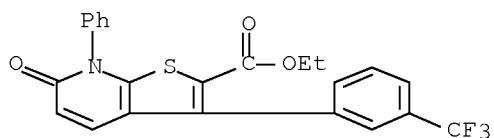
RN 514183-63-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[2-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



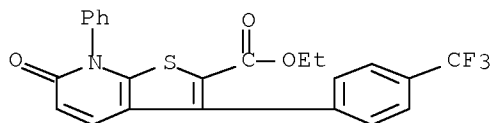
RN 514183-65-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



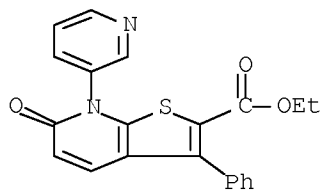
RN 514183-66-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[4-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



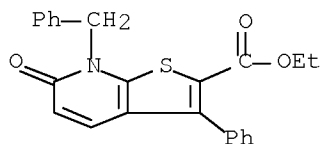
RN 514183-68-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



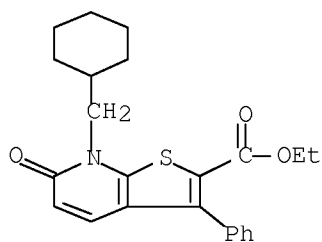
RN 514183-70-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



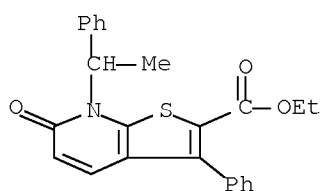
RN 514183-72-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclohexylmethyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



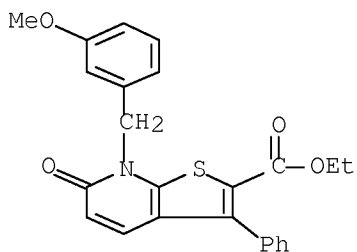
RN 514183-74-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(1-phenylethyl)-, ethyl ester (CA INDEX NAME)



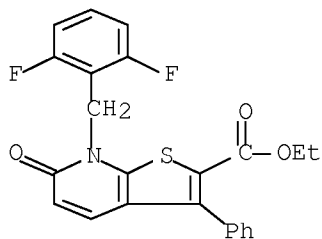
RN 514183-76-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[(3-methoxyphenyl)methyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



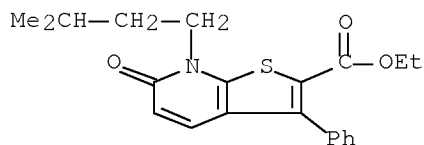
RN 514183-78-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(2,6-difluorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



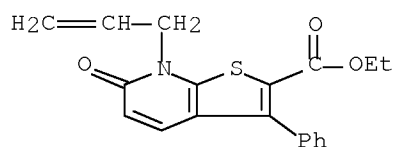
RN 514183-80-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylbutyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



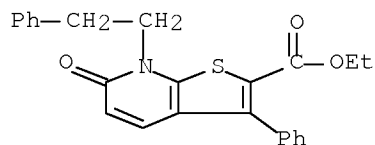
RN 514183-82-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(2-propen-1-yl)-, ethyl ester (CA INDEX NAME)



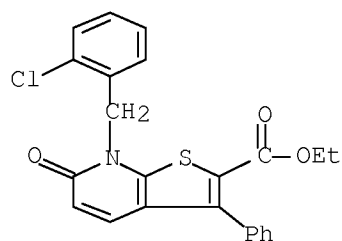
RN 514183-84-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(2-phenylethyl)-, ethyl ester (CA INDEX NAME)



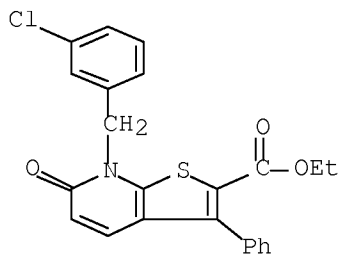
RN 514183-86-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(2-chlorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



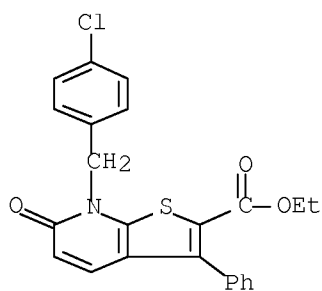
RN 514183-88-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(3-chlorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



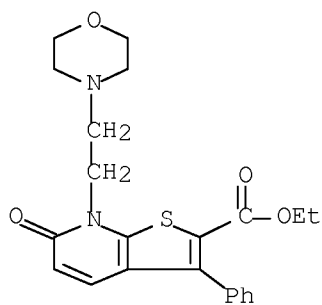
RN 514183-90-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(4-chlorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



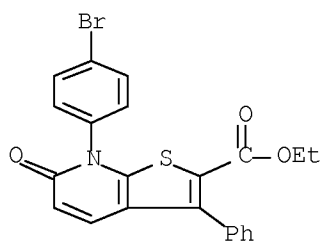
RN 514183-92-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[2-(4-morpholinyl)ethyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



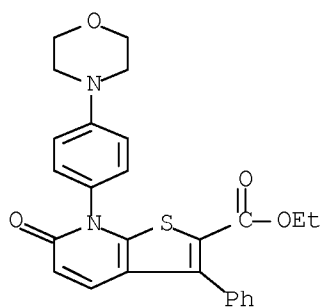
RN 514183-94-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-bromophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



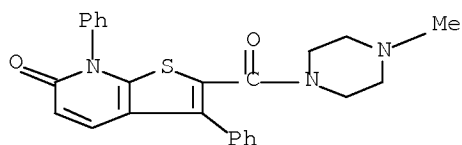
RN 514183-96-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(4-morpholinyl)phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



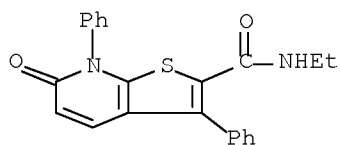
RN 514184-00-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-methyl-1-piperazinyl)carbonyl]-3,7-diphenyl- (CA INDEX NAME)



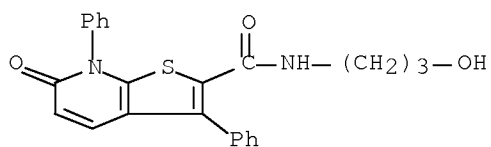
RN 514184-02-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-ethyl-6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



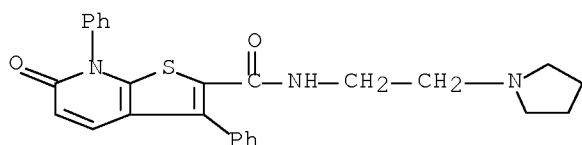
RN 514184-04-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(3-hydroxypropyl)-6-oxo-3,7-diphenyl- (CA INDEX NAME)



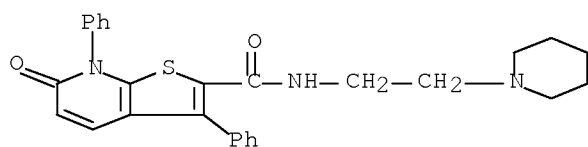
RN 514184-06-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl-N-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)



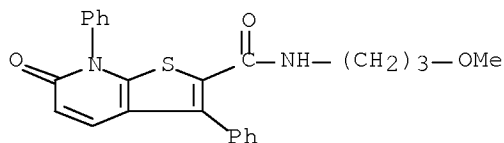
RN 514184-08-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



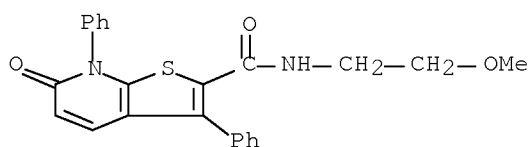
RN 514184-10-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(3-methoxypropyl)-6-oxo-3,7-diphenyl- (CA INDEX NAME)



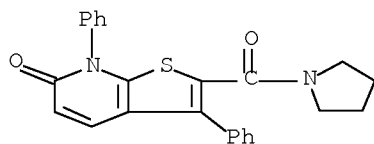
RN 514184-12-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(2-methoxyethyl)-6-oxo-3,7-diphenyl- (CA INDEX NAME)



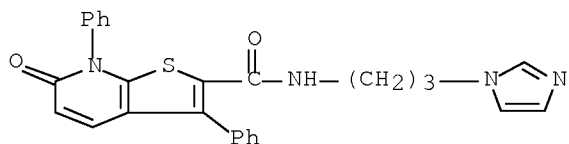
RN 514184-14-6 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 3,7-diphenyl-2-(1-pyrrolidinylcarbonyl)-
(CA INDEX NAME)



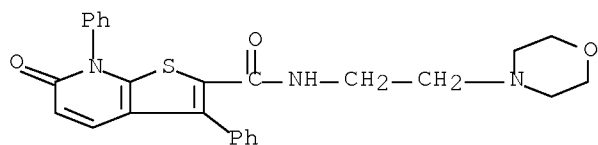
RN 514184-16-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)



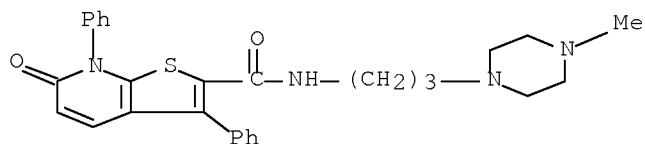
RN 514184-18-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[2-(4-morpholinyl)ethyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)

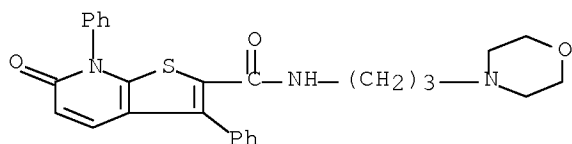


RN 514184-20-4 CAPLUS

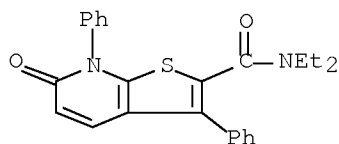
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-methyl-1-piperazinyl)propyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)



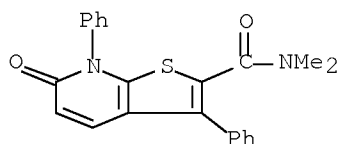
RN 514184-22-6 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-morpholinyl)propyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)



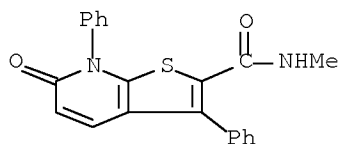
RN 514184-24-8 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, N,N-diethyl-6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



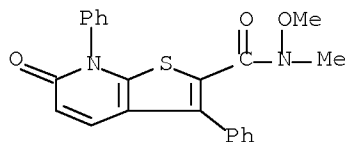
RN 514184-26-0 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N,N-dimethyl-6-oxo-3,7-diphenyl- (CA INDEX NAME)



RN 514184-28-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methyl-6-oxo-3,7-diphenyl- (CA INDEX NAME)

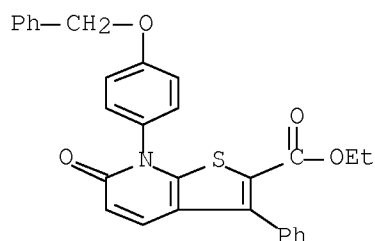


RN 514184-32-8 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methoxy-N-methyl-6-oxo-3,7-diphenyl- (CA INDEX NAME)



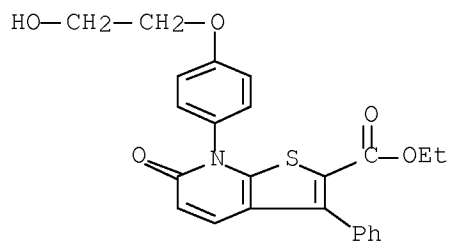
RN 514184-45-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[4-(phenylmethoxy)phenyl]-, ethyl ester (CA INDEX NAME)



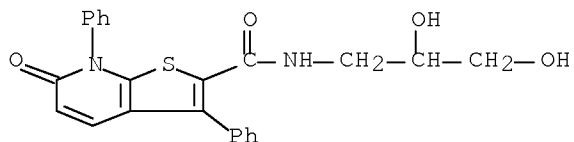
RN 514184-48-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(2-hydroxyethoxy)phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



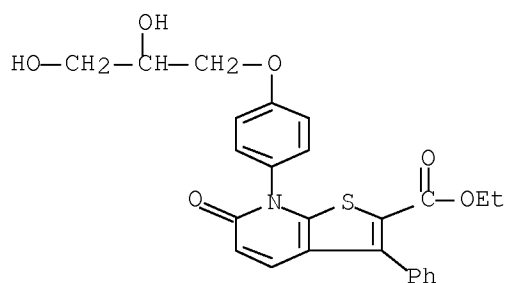
RN 514184-55-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-(2,3-dihydroxypropyl)-6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



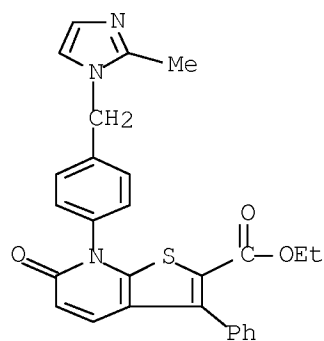
RN 514184-66-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(2,3-dihydroxypropoxy)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



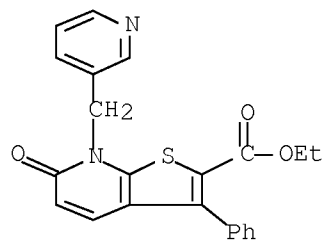
RN 514184-72-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[(2-methyl-1H-imidazol-1-yl)methyl]phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



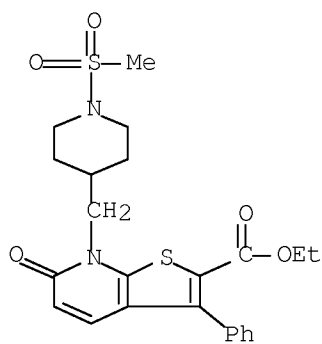
RN 514184-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(3-pyridinylmethyl)-, ethyl ester (CA INDEX NAME)



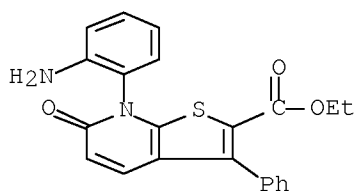
RN 514184-82-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[[1-(methylsulfonyl)-4-piperidinyl]methyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



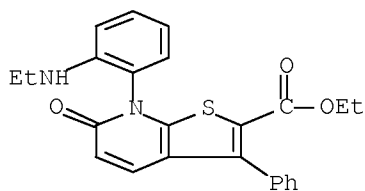
RN 514184-84-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(2-aminophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



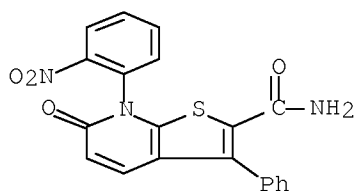
RN 514184-85-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[2-(ethylamino)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)

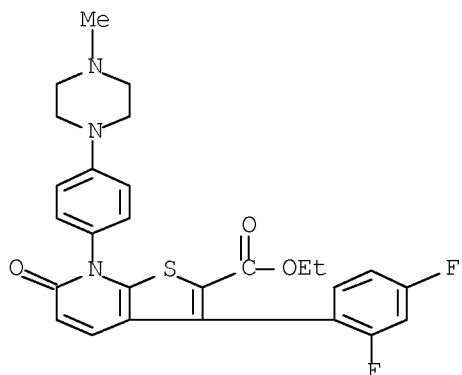


RN 514184-87-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(2-nitrophenyl)-6-oxo-3-phenyl- (CA INDEX NAME)

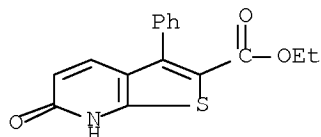


RN 514184-93-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-dihydro-7-[4-(4-methyl-1-piperazinyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)

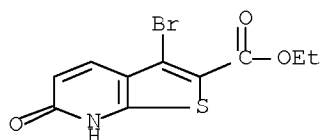


IT 514182-39-9P, Ethyl 6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-52-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-61-7P, Ethyl 3-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-64-0P, 6-Oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514182-68-4P, 6-Oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514182-77-5P, Ethyl 3-(2,4-difluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-67-9P, Ethyl 7-[4-(2,2-dimethyl-[1,3]dioxan-4-ylmethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-69-1P, 7-[4-[2-(2-Methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-73-7P, Ethyl 7-(4-chloromethylphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of bicyclic oxypyridine and oxypyrimidine derivs. as potent selective inhibitors of p38 kinase)

RN 514182-39-9 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)

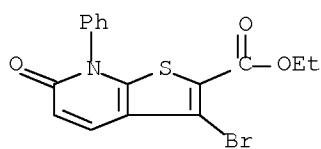


RN 514182-52-6 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



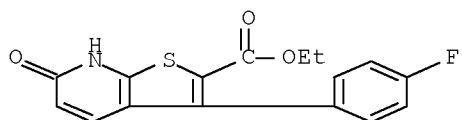
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



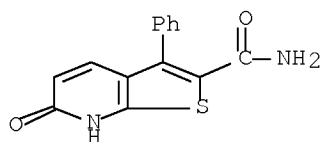
RN 514182-61-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



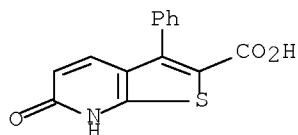
RN 514182-64-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



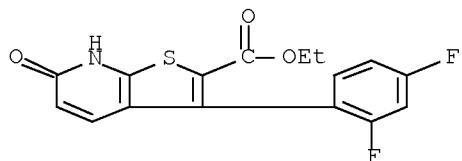
RN 514182-68-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



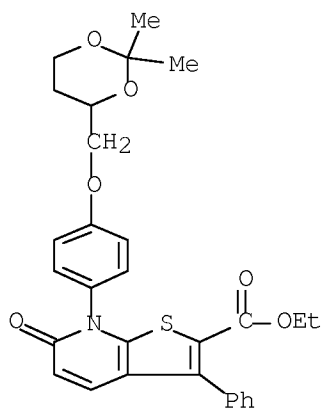
RN 514182-77-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



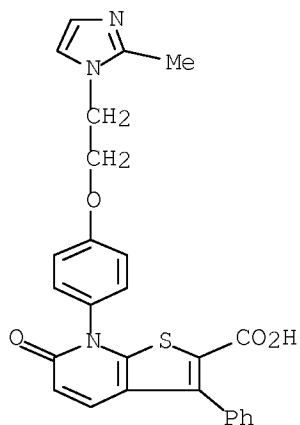
RN 514184-67-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-[(2,2-dimethyl-1,3-dioxan-4-yl)methoxy]phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)

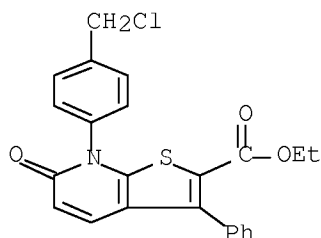


RN 514184-69-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)

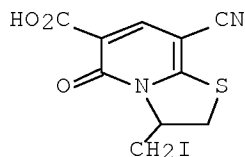


RN 514184-73-7 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(chloromethyl)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)

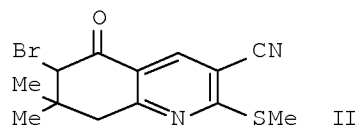


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:851387 CAPLUS Full-text
 DOCUMENT NUMBER: 138:337962
 TITLE: Anilinomethylidene derivatives of cyclic 1,3-dicarbonyl compounds in the synthesis of new sulfur-containing pyridines and quinolines
 AUTHOR(S): Dotsenko, V. V.; Krivokolysko, S. G.; Chernega, A. N.; Litvinov, V. P.
 CORPORATE SOURCE: East-Ukrainian National University, Luhansk, 91034, Ukraine
 SOURCE: Russian Chemical Bulletin (Translation of Izvestiya Akademii Nauk, Seriya Khimicheskaya) (2002), 51(8), 1556-1561
 CODEN: RCBUEY; ISSN: 1066-5285
 PUBLISHER: Kluwer Academic/Consultants Bureau
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 138:337962
 GI



I



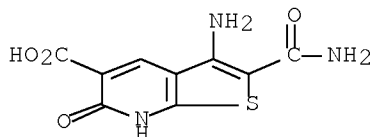
II

AB Simple methods for the synthesis of previously unknown sulfur-containing pyridin-2-ones, e.g. I, and 5,6,7,8-tetrahydroquinolines, e.g. II, from cyanothioacetamide and anilinomethylidene derivs. of cyclic 1,3-dicarbonyl compds. were developed. Structures and chemical transformations of compds. obtained were studied. Crystal structure of I is reported.
 IT 369393-07-7P 439946-18-6P 439946-22-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (anilinomethylidene derivs. of cyclic 1,3-dicarbonyl compds. in

synthesis of sulfur-containing pyridines and quinolines via
cyclocondensation, bromination, and regioselective S-alkylation)

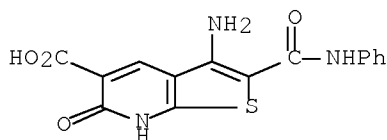
RN 369393-07-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(aminocarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



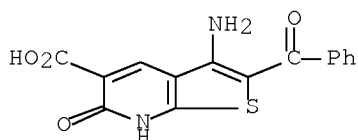
RN 439946-18-6 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-[(phenylamino)carbonyl]- (CA INDEX NAME)



RN 439946-22-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-benzoyl-6,7-dihydro-6-oxo- (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:933443 CAPLUS Full-text

DOCUMENT NUMBER: 136:294715

TITLE: New method of synthesis of 5-acetyl-3-cyano-6-methylpyridine-2(1H)-thione and its properties

AUTHOR(S): Yakunin, Ya. Yu.; Dyachenko, V. D.; Litvinov, V. P.

CORPORATE SOURCE: Lugansk Taras Shevchenko State Pedagogical University, Luhansk, 91011, Ukraine

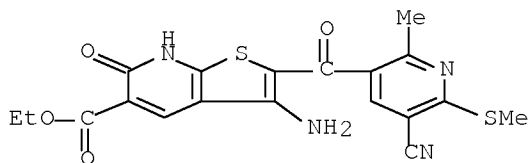
SOURCE: Chemistry of Heterocyclic Compounds (New York, NY, United States)(Translation of Khimiya Geterotsiklicheskich Soedinenii) (2001), 37(5), 581-587

CODEN: CHCCAL; ISSN: 0009-3122

PUBLISHER: Kluwer Academic/Consultants Bureau

DOCUMENT TYPE: Journal

LANGUAGE: English
 OTHER SOURCE(S): CASREACT 136:294715
 AB 5-Acetyl-3-cyano-6-methylpyridine-2(1H)-thione was obtained by the reaction of ethoxymethyleneacetylacetone with cyanothioacetamide in the presence of N-methylmorpholine. Its alkylation, bromination of the 2-methylthio derivative, and the conversions of its 5-bromoacetyl derivative have been studied.
 IT 408350-60-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation and reactions of 5-acetyl-3-cyano-6-methylpyridine-2(1H)-thione)
 RN 408350-60-7 CAPLUS
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[[5-cyano-2-methyl-6-(methylthio)-3-pyridinyl]carbonyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:70785 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 128:153988

ORIGINAL REFERENCE NO.: 128:30345a,30348a

TITLE: Synthesis and some properties of 4-alkyl-5-cyano-6-mercapto-3,4-dihydropyridin-2(1H)-ones

AUTHOR(S): Dyachenko, V. D.; Krivokolysko, S. G.; Litvinov, V. P.

CORPORATE SOURCE: T. G. Shevchenko Lugansk State Pedagogical Institute, Luhansk, 348011, Ukraine

SOURCE: Russian Chemical Bulletin (Translation of Izvestiya Akademii Nauk, Seriya Khimicheskaya) (1997), 46(11), 1912-1915

CODEN: RCBUEY; ISSN: 1066-5285

PUBLISHER: Consultants Bureau

DOCUMENT TYPE: Journal

LANGUAGE: English

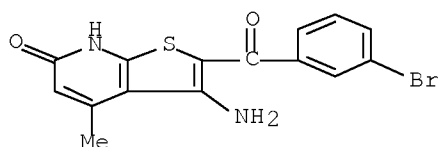
AB Condensation of RCHO [R = Et, Me], cyanothioacetamide, Meldrum's acid, and N-methylmorpholine occurs via the intermediate formation of Michael adducts and yields 4-alkyl-5-cyano-6-mercapto-3,4-dihydropyridin-2(1H)-ones. The oxidation of the reaction products with DMSO and their alkylation were studied.

IT 202519-95-7P 202519-96-8P 202519-97-9P
 202519-98-0P

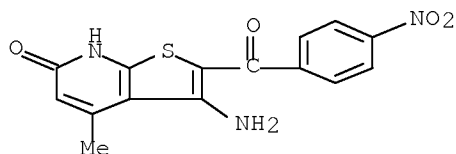
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and reactions of 4-alkyl-5-cyano-6-mercapto-3,4-dihydropyridin-2(1H)-ones)

RN 202519-95-7 CAPLUS

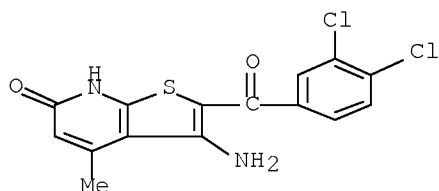
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-(3-bromobenzoyl)-4-methyl- (CA INDEX NAME)



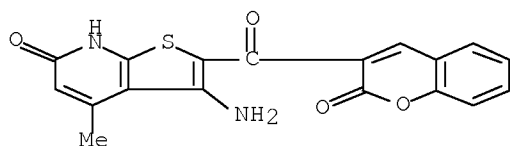
RN 202519-96-8 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-4-methyl-2-(4-nitrobenzoyl)- (CA INDEX NAME)



RN 202519-97-9 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-(3,4-dichlorobenzoyl)-4-methyl- (CA INDEX NAME)



RN 202519-98-0 CAPLUS
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-4-methyl-2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]- (CA INDEX NAME)



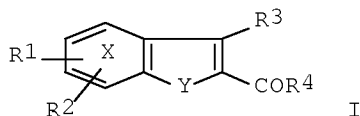
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1995:662485 CAPLUS Full-text
 DOCUMENT NUMBER: 123:55855
 ORIGINAL REFERENCE NO.: 123:10055a,10058a
 TITLE: Preparation of furopyridine and thienopyridine derivatives for treatment of osteoporosis
 INVENTOR(S): Ooe, Takanori; Sano, Mitsuharu; Kobayashi, Haruhito;

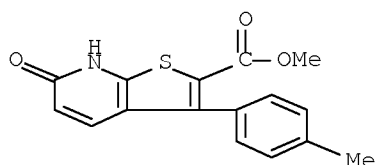
PATENT ASSIGNEE(S): Chiba, Kenji; Azuma, Hidemitsu
 Yoshitomi Pharmaceutical Industries, Ltd., Japan;
 Nippon Tobacco Sangyo
 SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07076586	A	19950320	JP 1994-163654	19940715
PRIORITY APPLN. INFO.:			JP 1994-163654	A 19940715
			JP 1993-198943	19930716

OTHER SOURCE(S): MARPAT 123:55855
 GI



- AB The title compds. [I; ring X = pyridine ring; Y = S, O; R1, R2 = H, halo, alkyl, alkoxy, OH, cyano, haloalkyl, CO2H, optionally alkyl-substituted NH2 or CONH2, alkoxycarbonyl, (un)substituted Ph; or R1 and R2 are bonded together to represent a group forming a benzene ring; R3 = Ph or heterocycllyl having 1-3 substituents selected from halo, alkyl, OH, SH, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkyl, cyano, NO2, acyl, alkoxycarbonyl, CO2H, optionally alkyl-substituted CONH2 or carbamoylalkyl, alkylenedioxy, and cyanoalkyl; R4 = HO, alkyl, alkoxy, NR5R6, cyclic amino, (un)substituted Ph; wherein R5, R6 = H, alkyl, optionally alkyl-substituted aminoalkyl, (un)substituted Ph or aralkyl], which have potent effect for inhibiting bone absorption, are prepared Thus, Me thioglycolate was added dropwise to a suspension of NaH in DMF and after stirring the mixture at 0-5° for 30 min, 2-chloro-3-(2-thenoyl)pyridine was added followed by stirring the resulting mixture at room temperature to give, after workup, thieno[2,3-b]pyridine derivative (II; R2 = H, R3 = 2-thienyl, R4 = OMe). II (R2 = Me2CH, R3 = p-MeC6H4, R4 = OH) in vitro showed IC50 of 5.1 μM for inhibiting the release of Ca from a mouse thigh bone into a culture medium containing rat thyroid hormone.
- IT 164657-33-4P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of furopyridine and thienopyridine derivs. as bone absorption inhibitors and for treatment of osteoporosis)
- RN 164657-33-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(4-methylphenyl)-6-oxo-, methyl ester (CA INDEX NAME)



L16 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:625908 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 119:225908

ORIGINAL REFERENCE NO.: 119:40327a,40330a

TITLE: Synthesis of thieno[2,3-b]pyridines with an oxalamidic acid or an oxalamidic alkyl ester residue and of 4-alkoxy pyrido[3',2':4,5]thieno[3,2-d]pyrimidine-2-carboxylic acid derivatives

AUTHOR(S): Wagner, G.; Leistner, S.; Vieweg, H.; Krasselt, U.; Prantz, J.

CORPORATE SOURCE: Fachbereich Biowiss., Univ. Leipzig, Leipzig, Germany

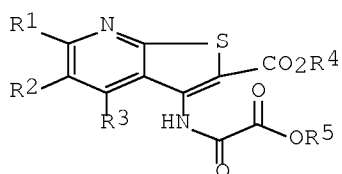
SOURCE: Pharmazie (1993), 48(5), 342-6

CODEN: PHARAT; ISSN: 0031-7144

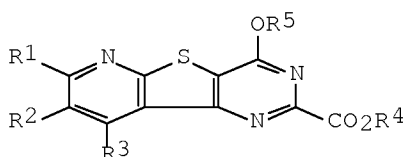
DOCUMENT TYPE: Journal

LANGUAGE: German

GI



I



II

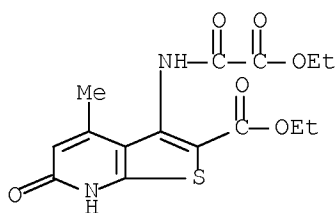
AB N-[2-(alkoxycarbonyl)thieno[2,3-b]pyrid-3-yl]oxalamidic acid alkyl esters I (R1 = hydroxy, Me, Ph, etc.; R2 = H; R3 = Me, Ph, etc.; R4, R5 = Me, Et) were prepared by the reaction of 3-amino-2-carboxylic esters with oxalic acid di-Et ester in presence of Na alkoxides. Some 3-amino-2- cyanothieno[2,3-b]pyridines yielded under the same conditions [via intermediate N-(2-cyanothieno[2,3-b]pyrid-3-yl)oxalamidic acid alkyl esters] the 4-alkoxy pyrido[3',2':4,5]thieno[3,2-d]pyrimidine-2- carboxylates II (R1 = Me, Ph, etc.; R2 = H, Me, benzyl, etc.; R3 = Me, Ph, etc.; R4 = H, alkyl; R5 = Me, Et). The esters II were hydrolyzed to give the corresponding carboxylic acids. The prepared substances showed an antianaphylactic activity. Thus, at 1×10^{-5} M i.p. in rats, II (R1, R4, R5 = Me, R2 = H, R3 = Ph) caused 49.2% inhibition of passive cutaneous anaphylaxis 30 min. after administration.

IT 150885-94-2P

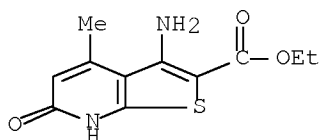
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 150885-94-2 CAPLUS

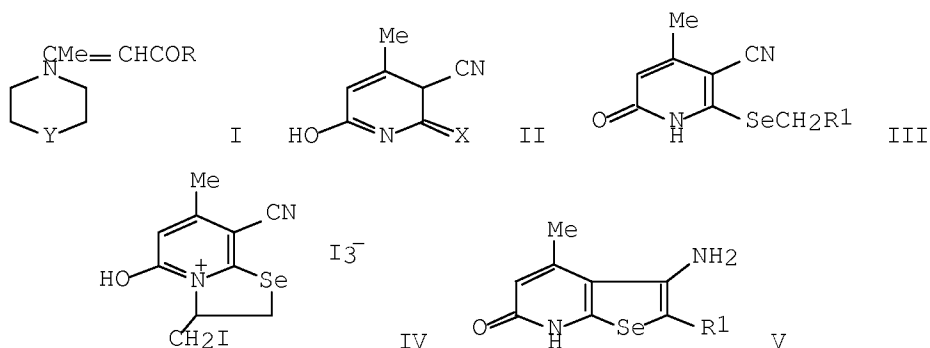
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(ethoxyoxoacetyl)amino]-6,7-dihydro-4-methyl-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)



IT 150885-87-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant for (alkoxycarbonyl)thienopyridyloxalamidic ester)
 RN 150885-87-3 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-4-methyl-6-oxo-, ethyl ester (CA INDEX NAME)



L16 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1991:558996 CAPLUS Full-text
 DOCUMENT NUMBER: 115:158996
 ORIGINAL REFERENCE NO.: 115:27219a,27222a
 TITLE: Cyclization reactions of nitriles. XXXIX. Synthesis and transformations of 6-hydroxy-3-cyano-2(1H)-pyridinechalcogenones
 AUTHOR(S): Dyachenko, V. D.; Sharanin, Yu. A.; Shestopalov, A. M.; Rodinovskaya, L. A.; Turov, A. V.; Litvinov, V. P.; Promonenkov, V. K.
 CORPORATE SOURCE: Voroshilovgr. Gos. Pedagog. Inst., Voroshilovgrad, USSR
 SOURCE: Zhurnal Obshchei Khimii (1990), 60(10), 2384-92
 CODEN: ZOKHA4; ISSN: 0044-460X
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 115:158996
 GI



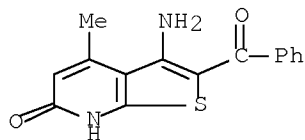
AB The cyclization of $\text{NCCH}_2\text{CXNH}_2$ ($\text{X} = \text{O}, \text{S}, \text{Se}$) with crotonate derivs. I ($\text{R} = \text{OEt}, \text{NHPh}$; $\text{Y} = \text{O}, \text{CH}_2$) gave, after hydrolysis, pyridinechalcogenones II. Alkylation of II afforded the corresponding X-alkyl derivs., e. g., III ($\text{R}_1 = \text{COPh}, \text{CH}:\text{CH}_2, \text{CO}_2\text{H}, \text{CO}_2\text{Et}, \text{CONH}_2$). III can be used in the synthesis of Se heterocycles. Thus, e.g., III ($\text{R}_1 = \text{CH}:\text{CH}_2$) gave selenazolopyrimidine deriv IV on reaction with I2 and III ($\text{R}_1 = \text{COPh}, \text{CONH}_2$) gave selenophenopyridones V on treatment with KOH.

IT 93272-87-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 93272-87-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-benzoyl-4-methyl- (CA INDEX NAME)



L16 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:515227 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 113:115227

ORIGINAL REFERENCE NO.: 113:19527a,19530a

TITLE: Polycyclic pyridines. Part 8. Synthesis of new primary, secondary and tertiary 3-aminothieno[2,3-b]pyridine-2-carboxamides by different pathways

AUTHOR(S): Wagner, G.; Vieweg, H.; Leistner, S.; Boehm, N.; Krasselt, U.; Hanfeld, Vera; Prantz, J.; Grupe, Renate
CORPORATE SOURCE: Sekt. Biowiss., Karl-Marx-Univ., Leipzig, DDR-7010, Ger. Dem. Rep.

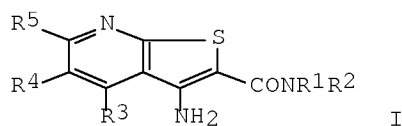
SOURCE: Pharmazie (1990), 45(2), 102-9
CODEN: PHARAT; ISSN: 0031-7144

DOCUMENT TYPE: Journal

LANGUAGE: German

OTHER SOURCE(S): CASREACT 113:115227

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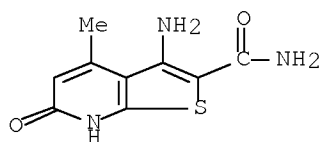
AB The treatment of 2-thioxo-1,2-dihydropyridine-3-carbonitriles with ClCH2CO2NR1R3 (R1, R2 = H, Me, Et) gave 3-aminothieno[2,3-b]pyridinecarboxylic acid amides I [R1 = H, Et, Me; R2 = H, Et, Bu, cyclohexyl, CH2CH2OH, CH2CO2H; R1R2 = (CH2)5; R3 = Me, Ph, 4-BrC6H4, 3-pyridyl, CONH2, etc; R4 = H, Me, CH2C6H4(CN)-4; R5 = Me, C6H4Cl-4, Ph, C6H4Br-4, furyl, naphthyl, OH). Some of the compds. thus prepared, e.g. I (R1 = R2 = R4 = H, R3 = Me, R5 = Ph) and I (R1 = R4 = H, R2 = CH2CH2OH, R3 = R5 = Me) showed activity as antiallergics in the passive cutaneous anaphylaxis test in rats.

IT 128918-09-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 128918-09-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-4-methyl-6-oxo-
(CA INDEX NAME)



L16 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1984:630317 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 101:230317

ORIGINAL REFERENCE NO.: 101:34969a,34972a

TITLE: New method for the synthesis of substituted
2-pyridones

AUTHOR(S): Litvinov, V. P.; Sharanin, Yu. A.; Promonenkov, V. K.;
Rodinovskaya, L. A.; Shestopalov, A. M.; Mortikov, V.
Yu.

CORPORATE SOURCE: Inst. Org. Khim. im. Zelinskogo, Moscow, USSR

SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya
(1984), (8), 1869-70

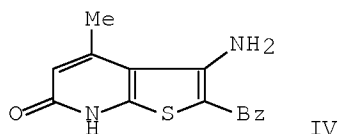
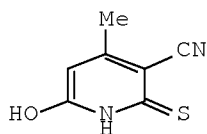
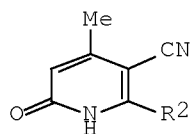
CODEN: IASKA6; ISSN: 0002-3353

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 101:230317

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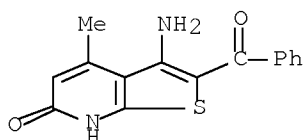


AB Treating RCOCH:CMer1 (I, R = EtO, PhNH; R1 = morpholino) with NCCH2CSNH2 in EtOH 5 h at 20° gave 87% II (R2 = SH) as its morpholinium salt, which was alkylated by PhCOCH2Br to give 89% II (R2 = SCH2COPh). The latter was also obtained in 93% yield by alkylation of III with PhCOCH2Br in DMF. Oxidation of III by CrO3 gave 57% corresponding ketone. Cyclocondensation of III with PhCOCH2Br in EtOH gave 80% IV. Treating I (R = EtO) with NCCH2CSNH2 and concentrated HCl gave III.

IT 93272-87-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 93272-87-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-benzoyl-4-methyl- (CA INDEX NAME)



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COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                134.59      422.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                               ENTRY      SESSION
CA SUBSCRIBER PRICE                -18.40      -18.40
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STN INTERNATIONAL LOGOFF AT 18:38:42 ON 11 JUL 2008